Case 1:13-cv-03675-WBH Document 108-4 Filed 12/30/16 Page 125 of 586

Exhibit 4

Page 1 1 IN THE UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF GEORGIA 2 ATLANTA DIVISION 3 UNITED STATES OF) 4 AMERICA,) Deposition of:) 5 Plaintiff,) AMY K. EICHNER, PH.D.) 6 vs.)) Civil No. 7) 1:13-cv-13675-WBH-JCF UNDETERMINED QUANTITIES OF) 8 1,3-DIMETHYLAMYLAMINE) HCL (DMAA), 9 Defendant, 10 AND 11 HI-TECH 12 PHARMACEUTICALS, INC.,) and JARED WHEAT,) 13 Claimants.) 14 15 16 Job No. 116738 17 18 December 14, 2016 * 9:12 a.m. 19 20 Location: Kirton & McConkie 21 36 S. State Street, Suite 1900 22 Salt Lake City, Utah 84111 23 24 Reporter: Ann Fleming, RPR 25 Notary Public in and for the State of Utah

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1		1	_
2	A P P E A R A N C E S FOR THE PLAINTIFF:	2	I N D E X AMY K. EICHNER, PH.D. PAGE
3	Claude Scott	3	Examination by Mr. Marck 5
	UNITED STATES DEPARTMENT OF JUSTICE	4	Examination by Mr. Scott 165
4	450 5th Street, N.W.	6	
F	Washington, DC 20530	7	EXHIBITS
5 6	(Appearing via telephone)	8	NUMBER DESCRIPTION PAGE
7		9	EXHIBIT 1 April 2011 Email Chain and Consulting 65
	FOR THE DEFENDANT:	10	Agreement
8		11	EXHIBIT 2 November-October 2010 Email Chain, 73
9	David Marck EPSTEIN BECKER & GREEN	12	NDI's
10	One Gateway Center	13	EXHIBIT 3 December 2010 Email Chain, 82 Methylhexaneamine
10	Newark, New Jersey 07102	14	EXHIBIT 4 December 2010 Email Chain, 87
12		15	Methylhexaneamine
13	FOR USADA AND THE DEPONENT:	15 16	EXHIBIT 5 October 2010 Email, Geranium Oil 91
14	Kevin Koons		EXHIBIT 6 Undated Email, Geranium Oil 92
	KROGER, GARDIS & REGAS 111 Monument Circle	17	EXHIBIT 7 November 2010 Email, Follow-Up From 94
15 16	Indianapolis, Indiana 46204	18 19	Geranium Oil Testing Conversation EXHIBIT 8 January 2011 Email Chain, Geranium Oil 97
16 17			Project
18		20	
19		21	EXHIBIT 9 March-April 2011 Email Chain, Update 100 on Pelargonium and Preliminary Report
20		22	EXHIBIT 10 October 2010-April 2011 Email Chain, 102
21 22			Methylhexaneamine and NDIs
22		23	EVILIDIT 11 Delemention Oil and Method Harranson inc. 100
24		24	EXHIBIT 11 Pelargonium Oil and Methyl Hexaneamine 108 Article
25		25	EXHIBIT 12 May-June 2011 Email Chain, Numbers for 113
	Page 4		Page 5
1		1	AMY K. EICHNER, PH.D.
	EXHIBIT 13 May-June 2011 Email Chain, Numbers for 123	2	PROCEEDINGS
2 3	Jack3d Distribution EXHIBIT 14 January 2012 Email, Forthane Once 125	3	IROCLEDINOS
	Marketed as a Drug	4	AMY K EICHNED DU D
4		5	AMY K. EICHNER, PH.D.,
5	EXHIBIT 15 January 2012 Email Chain, From Jim at 127 FRL re Dr. Oz Show Air Date-Dangerous		called as a witness, being first sworn,
	Supplements	6	was examined and testified as follows:
6	EVIDEIT 16 Echanom 2012 Emeil Chain Commandial 120	⁷	
7	EXHIBIT 16 February 2012 Email Chain, Commercial 129 Geranium Oils	8	EXAMINATION
8	EXHIBIT 17 April 2012 Email Chain, FDA Warning 137	9	BY MR. MARCK:
9	Letter	10	Q. Good morning, Dr. Eichner, my name is
	EXHIBIT 18 May 2012 Email Chain, Stimulant 141	11	David Marck. I represent Hi-Tech Pharmaceuticals and
10	Marketed as "Natural" in Sports	12	Jared Wheat in the case that is captioned "United
11	Supplement Actually of Synthetic Origin	13	States of America versus Undetermined Quantities" of a
12	EXHIBIT 19 May 2012 Email Chain, Embargoed Paper 145	14	chemical I'm going to refer to as DMAA. You may also
13	EXHIBIT 20 Research Article 1,3 DMAA in 153 Supplements and Geranium Products:	15	know it as methylhexaneamine, but even if I'm going to
14	Natural or Synthetic?	16	be quoting from a document, I'm probably going to be
15	EXHIBIT 21 May 2012 Email Chain, Zhang, et al., 158	17	using DMAA because it's easier for me, you, the
16	Drug Test Analysis (2012)	18	
	EXHIBIT 22 October 2010-May 2011 Email Chain, 159	19	reporter. The other defendants are Hi-Tech, like I
17 18	NDIs EXHIPIT 23 August 2012 Emoil Chain DMAA Analysis 161		said, and Jared Wheat. And have you ever been deposed
18	EXHIBIT 23 August 2012 Email Chain, DMAA Analysis 161 EXHIBIT 24 February-March 2013 Email Chain, 161	20	before?
	Nrococlaurine Project	21	A. No.
20 21		22	Q. Okay. So you're not familiar with the
22		23	procedure, so we'll go through it in detail. I will
23		24	need oral answers, not gestures or nods of the head,
24		25	otherwise the court reporter can't figure out what
25			

	Page 6	Page 7
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	you're actually trying to say and the record won't	² instructions?
3	reflect it. If you have not understood my question,	³ A. Yes.
4	please ask me to repeat it; otherwise, I'm going to	⁴ Q. All right. Would you state your full
5	assume you heard and understood it. And if you need me	⁵ name, please?
6	to rephrase something because it's unclear, please do	⁶ A. Amy Kristine Eichner.
7	so. I'll be happy to figure out a way that makes it	⁷ Q. What's your home address?
8	easier for you to understand.	⁸ A. 3050 East Deer Hollow Drive in Sandy,
9	Are you taking any medication or anything	⁹ Utah.
10	else that would interfere with your ability to	¹⁰ Q. And your business address?
11	understand my questions today?	¹¹ A. U.S. Anti-Doping Agency, and that is 5555
12	A. No.	¹² Tech Center Drive, Suite 200 in Colorado Springs,
13	Q. Anything that would interfere with your	¹³ Colorado.
14	ability to remember past events?	¹⁴ Q. Right. Just for my own edification, do
15	A. No.	¹⁵ you ever go to that office?
16	Q. Okay. Now, your counsel may interpose	16 A. Yes.
17	objections, as will counsel for the government, but you	¹⁷ Q. Wasn't sure how it worked. Did you meet ¹⁸ with anyone to prepare for this deposition
18 19	must answer unless you're instructed not to by your	with anyone to prepare for this deposition.
20	counsel. Anytime you want to take a break, that's	ri. Not in person, just - wen, yesterday we
20	fine. If there's a question pending, please just let me know and I ask that you answer the question fully	met.
22	and then we can take a break. I mean, if you need to	Q. And anything you said with counsel, I
23	take a break every half an hour, that's fine, whatever,	 don't need to sorry, didn't mean to talk over you, but I don't need to hear any of your protected
24	it doesn't matter to me. Do you understood the	 ²³ but I don't need to hear any of your protected ²⁴ conversations. But you've not met with anybody else
25	questions excuse me, do you understand the	 ²⁵ besides your attorneys?
	questions excuse me, do you understand me	besides your attorneys.
	Page 8	
	Paye o	Page 9
1	AMY K. EICHNER, PH.D.	Page 9 1 AMY K. EICHNER, PH.D.
1 2	AMY K. EICHNER, PH.D. A. Correct.	 AMY K. EICHNER, PH.D. sources or treatises or anything like that, any
2 3	AMY K. EICHNER, PH.D.A. Correct.Q. Besides your attorneys, does anybody else	 AMY K. EICHNER, PH.D. sources or treatises or anything like that, any scientific background kind of documents. I just tried
2 3 4	AMY K. EICHNER, PH.D. A. Correct. Q. Besides your attorneys, does anybody else even know you're appearing, say, besides your family or	 AMY K. EICHNER, PH.D. sources or treatises or anything like that, any scientific background kind of documents. I just tried to refresh my memory on the paper that is the subject
2 3 4 5	AMY K. EICHNER, PH.D. A. Correct. Q. Besides your attorneys, does anybody else even know you're appearing, say, besides your family or something like that?	 AMY K. EICHNER, PH.D. sources or treatises or anything like that, any scientific background kind of documents. I just tried to refresh my memory on the paper that is the subject of this, the 2012 ElSohly paper?
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2 3 4 5 6 7	AMY K. EICHNER, PH.D. A. Correct. Q. Besides your attorneys, does anybody else even know you're appearing, say, besides your family or something like that? A. Not that I'm aware. Q. Anybody at USADA know you're here?	 AMY K. EICHNER, PH.D. sources or treatises or anything like that, any scientific background kind of documents. I just tried to refresh my memory on the paper that is the subject of this, the 2012 ElSohly paper? Q. Have you ever been a party to a litigation or as a defendant or a plaintiff?
2 3 4 5 6 7 8	AMY K. EICHNER, PH.D. A. Correct. Q. Besides your attorneys, does anybody else even know you're appearing, say, besides your family or something like that? A. Not that I'm aware. Q. Anybody at USADA know you're here? A. So I know Dr. Bowers is aware	 AMY K. EICHNER, PH.D. sources or treatises or anything like that, any scientific background kind of documents. I just tried to refresh my memory on the paper that is the subject of this, the 2012 ElSohly paper? Q. Have you ever been a party to a litigation or as a defendant or a plaintiff? A. Only in college when I went to small
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 AMY K. EICHNER, PH.D. A. Correct. Q. Besides your attorneys, does anybody else even know you're appearing, say, besides your family or something like that? A. Not that I'm aware. Q. Anybody at USADA know you're here? A. So I know Dr. Bowers is aware Q. Right. A of the subpoena, but I don't believe he's aware that a deposition is taking place today. Q. Okay. Did you review any documents to get ready for today? A. Yes. Q. Such as? A. The documents that we produced for you. Q. Anything else in addition to that? A. There were always documents that were not related to this case that were reviewed. Q. Okay. A. We determined that they weren't related. Q. You mean to do a responsive/non-responsive check on them? 	1AMY K. EICHNER, PH.D.2sources or treatises or anything like that, any3scientific background kind of documents. I just tried4to refresh my memory on the paper that is the subject5of this, the 2012 ElSohly paper?6Q. Have you ever been a party to a litigation7or as a defendant or a plaintiff?8A. Only in college when I went to small9claims court.10Q. That's fine.11A. Does that count?12Q. It does count, but I'm not concerned with13that stuff.14A. Okay.15Q. Have you ever been convicted of a crime?16A. No.17Q. Speaking of college, where did you go to18college?19A. University of Minnesota.20Q. I was actually just in Saint Paul21yesterday transferring here. When was that?22A. From 1993 to '96.23Q. And what was your degree in?

	Page 10	Page 11
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	A. Not technically. I was one credit short	² A. It was a post-doctoral fellowship, which
3	of a degree in physiology as well, but it doesn't	³ is common after you do a Ph.D. It's kind of like the
4	count.	⁴ next career step.
5	Q. Double major?	⁵ Q. How long did that take?
6	A. Yeah. It doesn't count as a minor.	⁶ A. I was only there for one year.
7	Q. Gotcha. And that was a BS, I assume,	 7 Q. Did you get anything as far as a degree,
8	right, in psychology?	 ⁸ certificate, any of that kind of stuff?
9	A. Bachelor of Arts, actually. Psychology	⁹ A. It's just a job.
10	was considered a BA.	10 Q. Just a job to put on further research,
11	Q. Okay. And I understand you have a Ph.D.	¹¹ right?
12	in neuroscience from Australian National University; is	12 A. Uh-huh (affirmative).
13	that correct?	¹³ Q. What was the focus when you were there?
14	A. Correct.	¹⁴ A. At Harvard?
15	Q. And how long did it take you to get that?	¹⁵ Q. Yes.
16	What was the scope of the studies as far as the	¹⁶ A. I continued my thesis studies basically on
17	timeline was?	¹⁷ the retina.
18	A. About four years.	¹⁸ Q. Can you elaborate a little bit?
19	Q. Was that all done in Australia?	¹⁹ A. Sure. So my degree was focused mainly on
20	A. Uh-huh (affirmative). All of it was done	²⁰ physical processing, so the retina is basically an
21	in Australia.	²¹ analog to digital converter, so my thesis was
22	Q. Any other degrees?	²² evaluating the synaptic transmission between the layers
23	A. No.	²³ of neurons in the retina.
24	Q. Now, I note that you did some research at	²⁴ Q. And do you feel that your current work
25	Harvard. Can you elaborate a little bit?	²⁵ actually has anything to do with that now or no?
	Page 12	Page 13
1	Page 12	Page 13
1 2	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
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2	assisting on Global Drug Reference Online, providing	² in an auditory laboratory, which was a mouthful.	
3	advice to athletes about how they should interpret the	³ Again, you know, focusing on the neuroscience of the	;
4	prohibited list, how the prohibited list applies to	⁴ sensory system, and I believe I was there I would	
5	them.	⁵ honestly have to check my CV, but probably about fiv	/e
6	Q. How did you come to join USADA?	⁶ years.	
7	A. We moved to Colorado Springs and I took up	⁷ Q. Quick question, were you born in	
8	a position there.	⁸ Australia?	
9	Q. Who is "we"?	⁹ A. No.	
10	A. My husband and I, and our kids.	¹⁰ Q. Was your husband?	
11	Q. Okay.	11 A. Yes.	
12	A. We brought them.	¹² Q. Okay. Just wasn't sure why the	
13	Q. I figured. Jobs before joining USADA?	¹³ A. My husband is Australian, yes.	
14	A. A partial year at Therapeutic Goods	¹⁴ Q. All right. I won't go too far into	
15	Administration.	¹⁵ personal things. I was just a little confused. Who is	
16	Q. What's that?	¹⁶ Larry Bowers?	
17	A. It's the equivalent of the FDA in	¹⁷ A. Dr. Bowers is the Chief Scientist for	
18	Australia.	¹⁸ USADA.	
19	Q. And was that your job directly prior to	¹⁹ Q. Do you know how long he's been in that	
20 21	USADA?	Tote.	
22	A. Yes.	The Full Know. Many years.	
23	Q. Do you have any besides when you were	Q. What does that mean, by emer selentist .	
24	at Harvard, do you ever do any other fellowships? A. Yes. So after Harvard, I my husband	 A. He was the he was highest ranking member of the Science Department. 	
25	and I moved back to Australia and I took up a position	²⁵ Q. Do you know his training or what the	
	and I moved back to Australia and I took up a position	Q. Do you know his training of what the	
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1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.	
2	Q. Commonly or just I mean, approximately	² A. Yes, but I would like to know what you	
3	how many times?	³ mean by "bias."	
4	A. Maybe five times in my neuroscience field.	⁴ Q. We'll move on to the next question. I	
5	Q. How long ago was the last time?	⁵ think we'll flush it out a little more as we go	
6	A. I don't recall.	⁶ forward. Is it common for scientists to receive	
7	Q. I mean, the last five, ten years?	⁷ funding for research?	
8	A. It would have been when I was at the	⁸ A. Yes.	
9	Australian National University.	⁹ Q. Is it common to receive funding from	
10	Q. All right. Thanks. Do scientists	¹⁰ manufacturers and other companies?	
11	typically have a hypothesis before conducting a study?	¹¹ A. I don't know.	
12	A. Usually. Usually good scientists will	¹² Q. Is it common to receive it from the	
13	normally have a hypothesis that they're trying to prove	¹³ government?	
14	or disprove.	¹⁴ A. That has been my experience in my academic	
15	Q. And that's	¹⁵ career.	
16	A. But it depends on the type of research,	¹⁶ Q. And is it common for scientists to receive	
17	actually, because some scientific articles are	¹⁷ funding from nonprofits or other foundations something	,
18	descriptive in nature and the purpose is to establish	¹⁸ like USADA?	
19	basic information or facts about different things. So	¹⁹ A. I don't know.	
20	for example, back in my research, retinal research	Q. Do you believe it's inappropriate for a	
21 22	days, we came across many papers which were just	 source of funding of certain research to comment on drafts of manuscripts for a peer reviewed article? 	
22	anatomical descriptions of the retina.	diarity of manuscripts for a peer fevre wed article.	
24	Q. Right. Do you feel like it's very	with SCOTT. Object as to form.	
25	important to avoid bias when you're conducting research?	 Q. (By Mr. Marck) You can still answer? MR. KOONS: If you understand. 	
20	research ?	MR. KOONS: II you understand.	
	Page 20	Page 21	
1			
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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	all that should be included either in a peer reviewed	2	said, sometimes you produce data that has no meaning.
3	article or in the supporting information?	3	Q. (By Mr. Marck) Would you consider it
4	MR. KOONS: Vague and ambiguous, but you	4	breach of the scientific method for a researcher to
5	can answer.	5	exclude from his or her article only those results
6	MR. SCOTT: Object to form. Sorry for	6	inconsistent with his or her hypothesis?
7	talking over.	7	MR. SCOTT: Object to the form.
8	THE WITNESS: Repeat that? I'm sorry.	8	THE WITNESS: Repeat your question.
9	Q. (By Mr. Marck) I'll repeat it. Should	9	MR. MARCK: Can you read it back, please?
10	researchers report all of the data they've obtained in	10	(The requested portion of the record was
11	any subsequent peer reviewed article, and you said what	11	read by the court reporter.)
12	type of data, and I said the type of data that may be	12	THE WITNESS: Well, valid data, yes, so if
13	generated during a study. Should that be included	13	you have valid data that disproves your hypothesis,
14	either in the article or in supplemental material to	14	then that should form part of your conclusions.
15	that?	15	Q. (By Mr. Marck) Would you consider it an
16	MR. SCOTT: Object as to form.	16	act of scientific dishonesty to falsify test results in
17	THE WITNESS: Well, I would say not	17	a scientific paper?
18	always, because sometimes you generate data and you	18	A. To falsify test results?
19	don't know what it means, and you have to conduct	19	Q. Yes.
20	further research to understand what it means and it	20	A. Yes.
21	might not mean anything. Also, many times you generate	21	Q. Skip these, already asked these.
22	data that is not relevant or that is just beyond the	22	Approximately how much money do you award each year for
23	scope of the article, so to put in every scrap of data	23	research, either in your role at USADA, do you
24	that is generated in a study oftentimes isn't	24	typically let me rephrase this. In your role of
25	practical, first of all. And second of all, like I	25	USADA, do you award research grants?
	Page 24		
	ruge 21		Page 25
1		1	
1 2	AMY K. EICHNER, PH.D.	1 2	AMY K. EICHNER, PH.D.
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2	supplements. That was the link that linked many of the	2	begin testing for it or looking for it?
3	athletes that were testing positive. And that was a	3	A. I don't know the history. My guess is
4	concern because it was very a sudden increase in the	4	that it's documented somewhere in published literature,
5	number of positive tests.	5	but I don't know that.
6	Q. Right. And so DMAA is on WADA's	6	Q. It's your belief that DMAA poses a serious
7	prohibited list?	7	safety or health risk of some sort, correct?
8	A. Correct.	8	MR. SCOTT: Object as to form.
9	Q. Do you know when it went on that list?	9	THE WITNESS: The case reports that we
10	A. I do not know when it was specifically	10	became aware of did suggest that.
11	added as an example on the WADA prohibited list, but	11	Q. (By Mr. Marck) What type of case reports
12	the WADA prohibited list is a non-exhaustive list, so	12	are you referring to?
13	the WADA prohibited list prohibits categories of	13	A. We became aware of DMAA being used in New
14	substances. Stimulants is one of those categories.	14	Zealand as party pills.
15	DMAA is a stimulant, so regardless of whether or not it	15	Q. When you you said "we," are you
16	was specifically listed as an example, it was still	16	A. Just generally at USADA when we started
17	prohibited.	17	seeing positive tests for this DMAA, we tried to learn
18	I know at some point, I don't know when,	18	as much about this DMAA as we could.
19	but at some point, it was added as a specific example.	19	Q. What do you mean by "party pills"?
20	Q. Prior to it being added, were people even	20	A. Well, apparently in New Zealand, around
21	looking for it in athletes' test results?	21	that time, there were
22	A. I don't know, but the fact that athletes	22	Q. Sorry, if I may interject, what time, what
23	were testing positive, that tells me that the WADA labs	23	date range?
24	were testing samples for this substance.	24	A. I don't recall but around the time when we
25	Q. And do you have any idea why WADA would	25	had become aware of DMAA in athlete samples and we were
	Page 28		Page 29
1		1	
1 2	Page 28 AMY K. EICHNER, PH.D. trying to figure out what is this and where is it	1 2	Page 29 AMY K. EICHNER, PH.D. is not a legitimate dietary ingredient, then I think
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	Page 30		Page 31
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	THE WITNESS: But you don't have to do	2	A. I don't have enough information. I
3	anything about it?	3	would about the FDA process, about how they make
4	MR. MARCK: No.	4	decisions, I appreciate that there's a lot at stake.
5	MR. KOONS: He may if he wants to, but you	5	For instance, for your clients and others and when I
6	don't have to. You can go ahead and answer the	6	was working at the TGA, I appreciated the fact that
7	question.	7	regulators need to be careful and slow in making their
8	THE WITNESS: Can you please read the	8	decisions. But on the other hand to get to your point,
9	question back to me?	9	in order to best serve athletes, clarity from the FDA
10	(The requested portion of the record was	10	would be useful, would have been useful at the time and
11	read by the court reporter.)	11	continues to be useful.
12	THE WITNESS: I would say so, yes, but it	12	Q. Do you feel that the FDA needs expanded
13	wasn't a single instance. It was the culmination of a	13	regulatory and/or legal tools to deal with dietary
14	couple of years of researching and concluding in our	14	supplements?
15	own study the ElSohly 2012 paper that we could not find	15	A. I don't have a strong opinion on that.
16	evidence that DMAA is in germanium oil.	16	Q. Do you believe the U.S. Government has
17	Q. (By Mr. Marck) So far have you been	17	effective regulations to protect consumers from unsafe
18	pleased with the FDA's approach to removing DMAA from	18	dietary supplements?
19	the marketplace?	19	MR. SCOTT: Object as to form.
20	MR. SCOTT: Object to form.	20	THE WITNESS: The fact that so many
21	THE WITNESS: That's kind of a weird	21	dietary supplements are on the market that may not be
22	question because it's not my role to cast a judgment on	22	legal is a concern.
23	what the FDA does.	23	Q. (By Mr. Marck) What do you mean by "may
24	Q. (By Mr. Marck) But I'm still asking what	24	not be legal"?
25	your opinion is.	25	A. Well, we're aware of the continued supply
	Page 32		Page 33
1		1	
1 2	AMY K. EICHNER, PH.D.	1 2	AMY K. EICHNER, PH.D.
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	Page 38		Page 39
1	AMY K. EICHNER, PH.D.	1 AMY	K. EICHNER, PH.D.
2	A. Possibly. Or depending on the conference,	² DMAA?	· · · · · · · ·
3	sometimes they cover travel and hotel and	³ A. No.	
4	Q. Are you familiar with a company called	4 Q. Are you	familiar with the lawsuit
5	Chromodex?	· ·	Private Michael Sparling?
6	A. I've heard the name, but I am not familiar		ne rings a bell, but I was I'm
7	with		litigation or what happened in the
8	Q. Have you ever personally had contact with	⁸ litigation.	
9	anyone at Chromodex, its owners or employees?	-	your understanding of what actually
10	A. It's possible that I have, but honestly I	⁰ happened to Priv	
11	just don't, I just don't know, I can't put a name to		y recollection, he was a soldier who
12	the company.	² was he died, I	believe, and it was attributed at the
13	Q. Have you ever communicated with any	³ time by the milit	ary partially to consumption of
14	attorneys representing persons alleged to be injured by	4 methylhexanean	nine, if my memory serves me.
15	DMAA-containing products?	⁵ Q. Have ye	ou ever had any conversations with
16	A. I don't know.	⁶ the attorneys wh	o represented his family?
17	Q. You don't know or you don't remember?	⁷ A. I don't r	ecall, but it's possible because
18	A. I don't remember. I mean, it's possible,	⁸ I remember, and	I don't even know what year this was,
19	but I don't recall.	⁹ but his mom cor	tacted me at some point.
20	Q. Have you ever served as a paid consultant	⁰ Q. Right.	And did you speak with her?
21	to any attorneys involved in a DMAA-related litigation?	¹ A. I think s	so, yes.
22	A. No.	² Q. What w	ere the nature of those
23	Q. Have you ever served as a paid consultant		, do you remember, telephone, email?
24	to any kind of litigation concerning dietary		y both. I don't really remember
25	supplements regardless of whether or not they have	⁵ clearly. I would	have to go back and review. Those
	Page 40		Page 41
1	Page 40	1	Page 41
1	AMY K. EICHNER, PH.D.		Page 41 K. EICHNER, PH.D.
2	AMY K. EICHNER, PH.D. were I don't recall reviewing any of those documents	² Q. If	K. EICHNER, PH.D.
2 3	AMY K. EICHNER, PH.D. were I don't recall reviewing any of those documents to prepare for today, so, I'm sorry, my memory just	² Q. If ³ A. I would	K. EICHNER, PH.D.
2 3 4	AMY K. EICHNER, PH.D. were I don't recall reviewing any of those documents to prepare for today, so, I'm sorry, my memory just doesn't serve me in this instance.	 Q. If A. I would I reached out to 	K. EICHNER, PH.D. I be surprised if it turned out that her because I wasn't involved in the
2 3 4 5	AMY K. EICHNER, PH.D. were I don't recall reviewing any of those documents to prepare for today, so, I'm sorry, my memory just doesn't serve me in this instance. Q. That's fine. Your memory is what your	 2 Q. If 3 A. I would 4 I reached out to 5 initial, you know 	K. EICHNER, PH.D. I be surprised if it turned out that her because I wasn't involved in the v.
2 3 4 5 6	AMY K. EICHNER, PH.D. were I don't recall reviewing any of those documents to prepare for today, so, I'm sorry, my memory just doesn't serve me in this instance. Q. That's fine. Your memory is what your memory is. Do you have any recollection as to who	 Q. If A. I would I reached out to initial, you know Q. Would 	K. EICHNER, PH.D. I be surprised if it turned out that her because I wasn't involved in the v. she have been aware of you through
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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	A. Bethesda, America's medical school.	2	A. No.
3	Q. Yes.	3	Q. Okay.
4	A. So	4	A. It's possible that it was Dave Ellis, who
5	Q. Stop you right there, America's medical	5	was a nutritionist, and I believe he might have been at
6	school, is that a public institution, private	6	a conference that she was at, but I really don't
7	institution?	7	recall.
8	A. I'm sorry, I have no idea.	8	Q. Could you say his name again?
9	Q. That's okay. And when was your last	9	A. Dave Ellis.
10	communication with Miss Deuster?	10	Q. Dave Ellis. Could you tell me who he is?
11	A. Probably earlier this week.	11	A. He's a nutritionist, a sports
12	Q. What have your conversations regarding	12	nutritionist.
13	DMAA been with her? Have they been typically by	13	Q. Did you ever discuss legal claims against
14	telephone, email?	14	manufacturers of DMAA-containing supplements with her,
15	A. A lot via telephone and some via email.	15	meaning Ms. Deuster? Did you ever discuss, did you
16	Q. And when did you meet her?	16	strike that. Start from the beginning. Have you ever
17	A. I believe we were put into contact with	17	discussed any legal claims against manufacturers of
18	each other or came into contact with each other could	18	DMAA-containing supplements?
19	have been as early as 2010, but I don't recall 100	19	A. Legal claims?
20	percent. It could have also been in 2011. And I	20	Q. Did you ever discuss pending litigation
21	recall discussing with her she had put together the	21	like Mr. Sparling's litigation?
22	fact that we as an organization were seeing positive	22	A. She might have made me aware of the
23	tests for methylhexaneamine.	23	pending litigation.
24	Q. Do you know where she learned that	24	Q. But that's it?
25	information?	25	A. Yeah.
	Page 44		Page 45
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	Q. That's all you can remember. Okay. Are	2	learnings up to that point on the laws around dietary
3	you aware the Department of Defense commissioned a	3	supplements like what is a dietary supplement.
4	study regarding DMAA?	4	At that time in 2010 and 2011, I
5	A. No. Actually if you told me the name of	5	personally and as an organization, USADA, did not have
6	the study or an outcoming paper, then I probably would	6	a lot of expertise in that area, so it was a big
7	recognize it, but using the terms that you've used, it	7	learning curve for us. So that was my primary
8	doesn't ring a bell for me.	8	contribution to those articles.
9	Q. Are you aware of a report called Case	9	Q. Who is Lori Bestervelt?
10	Reports: Death of Active Duty Soldiers Following	10	A. She is at the NSF International.
11	Injection of Dietary Supplements Containing DMAA?	11	Q. What is the NSF International?
12	A. Yes. That is language I can recognize.	12	A. It is a standard setting organization that
13	Q. Can you tell me about that article?	13	sets standards for a number of different products such
14	A. It was one or two case reports, I believe	14	as water filters and other things. And they also had a
15	it was two, of people who were injured, had adverse	15	dietary supplement certification program.
	It was two, of people who were injured, had adverse		
16	events of some description, and at the time, the	16	Q. Do you know what that consists of?
16 17	events of some description, and at the time, the researchers and the medical professionals linked DMAA	17	A. Vaguely. A dietary supplement company can
16 17 18	events of some description, and at the time, the researchers and the medical professionals linked DMAA to those adverse events.	17 18	A. Vaguely. A dietary supplement company can go to the NSF and be evaluated for quality. They do an
16 17 18 19	events of some description, and at the time, the researchers and the medical professionals linked DMAA to those adverse events. Q. Were you involved in the actual study?	17 18 19	A. Vaguely. A dietary supplement company can go to the NSF and be evaluated for quality. They do an analysis of GMP compliance, which is Good Manufacturing
16 17 18 19 20	events of some description, and at the time, the researchers and the medical professionals linked DMAA to those adverse events.Q. Were you involved in the actual study?A. No.	17 18 19 20	A. Vaguely. A dietary supplement company can go to the NSF and be evaluated for quality. They do an analysis of GMP compliance, which is Good Manufacturing Practice compliance, and they test dietary supplements
16 17 18 19 20 21	 events of some description, and at the time, the researchers and the medical professionals linked DMAA to those adverse events. Q. Were you involved in the actual study? A. No. Q. Did you edit the results in the paper? 	17 18 19 20 21	A. Vaguely. A dietary supplement company can go to the NSF and be evaluated for quality. They do an analysis of GMP compliance, which is Good Manufacturing Practice compliance, and they test dietary supplements for substances prohibited in sport and they do a few
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16 17 18 19 20 21 22	 events of some description, and at the time, the researchers and the medical professionals linked DMAA to those adverse events. Q. Were you involved in the actual study? A. No. Q. Did you edit the results in the paper? A. My role was just to provide some 	17 18 19 20 21 22	A. Vaguely. A dietary supplement company can go to the NSF and be evaluated for quality. They do an analysis of GMP compliance, which is Good Manufacturing Practice compliance, and they test dietary supplements for substances prohibited in sport and they do a few other things, but it all culminates in a certification.

19Q. Do you do any work with them at all?19serve as an expert witness in a case?20A. Yes. We have provided test results to20A. No.21them in the past and I am sometimes in contact with21Q. Do you know what Operation Supplement22Jill Furmann, who I believe is in the Consumer23Protection Branch.24Q. Did you say Jill Furmann or Herman?24Q. Explain.25A. Furmann.25A. It is to my understanding, it is the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. We were in regular communication around the time when we were trying to determine where methylhexaneamine was coming from and it's I just haven't been in contact with her that much since that time. Q. Beyond the discussions regarding DMAA, what else would you discuss? A. Oh, dietary supplements in general, safety issues, general topics. Q. Hopping back to the Department of Defense study we were just discussing, do you agree with the 	 Q. You said that's the Consumer Protection Branch, correct? A. Uh-huh (affirmative). Q. What do you believe providing these test results for what reason? As part of a prosecution? A. No, just general information. So if we in other studies not related to DMAA, but just if we become aware of dietary supplements that contain prohibited substances that are prohibited in sport and we have reason to believe or there's evidence that it's not a legitimate dietary ingredient, we have in the
2 A. We were in regular communication around 2 Q. You said that's the Consumer Protection 3 the time when we were trying to determine where 3 4 methylhexaneamine was coming from and it's I just 6 5 haven't been in contact with her that much since that 6 6 time. 6 7 Q. Beyond the discussions regarding DMAA, 7 8 what else would you discuss? 8 9 A. Oh, dictary supplements in general, safety 9 10 issues, general topics. 10 11 Q. Hopping back to the Department of Defense 11 12 study we were just discussing, do you agree with the 12 13 report's conclusions? 14 14 A. Yes. 14 15 Q. Do you do any work in coordination "ri I 17 16 the partment of Justice? 16 17 A. What do you mean by "in coordination"? I 17 18 guess it kind of depends on what you mean by that. 18 19 Do you do any work with them at all? 19 11 Bu you say Jill Furma	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 A. We were in regular communication around the time when we were trying to determine where methylhexaneamine was coming from and it's I just haven't been in contact with her that much since that time. Q. Beyond the discussions regarding DMAA, what else would you discuss? A. Oh, dietary supplements in general, safety issues, general topics. Q. Hopping back to the Department of Defense study we were just discussing, do you agree with the 	 Branch, correct? A. Uh-huh (affirmative). Q. What do you believe providing these test results for what reason? As part of a prosecution? A. No, just general information. So if we in other studies not related to DMAA, but just if we become aware of dietary supplements that contain prohibited substances that are prohibited in sport and we have reason to believe or there's evidence that it's not a legitimate dietary ingredient, we have in the
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10 Q. Do you know how that's funded? 10 contact with?			contact with.
11 A. No. 12 O. D. L.			-
12 Q. Do you have any involvement in it? 12 feeling I would have reached out to the Therapeutic 13 A Not a direct involvement in Operation 13 Goods Administration as well; although I don't recall		· ·	
		-	Goods Maninistration as wert, attribugh Fdont Feedan
Supplement Surety, but I work on a regular basis with receiving a creat answer non-intern.			receiving a creat answer from them.
Di. Deuser and Andrea Endsey in sharing information Q. And the TTA you said is the Australian			Q. This the TTY you said is the Australian
Q. Dr. Deuster, and Fin Sorry, the person			A. TOA, Therapeute Goods Administration.
			Q. Thank you. Do you temember the hadre of
inter responses to you.			
Q. Did they full that program.			-
 Q. Are you in contact with other international regulatory bodies regarding dietary liver toxicity? 		· ·	scientific includes when concludes that DWI it causes
 ²³ international regulatory bodies regarding dietary ²⁴ supplements? ²⁴ MR. SCOTT: Object as to form. 			invertexienty.
	47		Wike Scoll 1. Object as to form.
	24 25		interviewe sprobably papers out

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Page 51 Page 51 2 AMY K. EICHNER, PHLD. AMY K. EICHNER, PHLD. 2 there that have established that. I just durit know, a mmber of abstracts to see whether 3 Q. (By Mr. Marck) Can you identify any peer (B) (B) (M) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B				5 51
a there the law established that. T just dort know. a b b a (By Mr. Marck) Can you identify any pear a b c b DMAA causes liver injury in humans? (By Mr. Marck) Sum, no problem. Can you a C a (By Mr. Marck) Sum, no problem. Can you a A. Off the top of only head. I mean I just a (D, (By Mr. Marck) Sum, no problem. Can you a A. Off the top of only head. I mean I just a (D, (By Mr. Marck) Sum, no problem. Can you a A. Off the top of only head. I mean I just a (D, (By Mr. Marck) Sum, no problem. Can you a A. Off the top of you how if you know if you know if ph now whether or a (D, (By Mr. Marck) Okay. I believe you. Can (D, (D, Y) Caxists) article you've been referring to, was that peer a (D, (By Mr. Marck) Okay. I believe you. Can (D,		Page 50		Page 51
a 0. (By Mr. Marck) Can you identify any peer a a mamber of abstracts to see whether b DMAA causes live ringing in humans? c M. SCOTT: I'm sorry, could you repeat b momber of abstracts to see whether c Q. Right. But off the top of your head c M. SCOTT: I'm sorry, could you repeat d momber of abstracts to see whether d Q. (By Mr. Marck) Sure, no problem. Can you identify any peer reviewed scientific literature which d M. SCOTT: Object as to form. d momber of abstract to see whether momber of abstract to see whether d Q. (By Mr. Marck) Sure, no problem. Can you d M. SCOTT: Object as to form. d momber of abstract to have whether or mot X, Y. Z exists. a ancihey on work in your mouth. I g put me in from of a computer, I know how to do the d mot there, no encludas hat DMAA causes har fairbaic in humans? A. I recall that heat stoke was a part of ft. acotter, the Einson peer. d i. acotter, the Einson peer. d i. acotter, the is no per reviewed d out there, but again, to really answer your question, is in the concludes hat DMAA causes d out there, but again, in reviewe				
4 Q. Right. But off the top of my head, I mean I just 5 DMAA causes liver injury in humans? 6 MR. SCOTT: Thi sorry, could you repeat 7 the question? I tost the last part of it. 9 Q. (By Mr. March) Sure, no problem. Can you 9 (G. (By Mr. March) Sure, no problem. Can you 9 (G. (By Mr. March) Sure, no problem. Can you 9 (G. (By Mr. March) Sure, no problem. Can you 9 (G. (By Mr. March) Okay. I believey you. Can 10 (G. (By Mr. March) Okay. I believe you. Can 11 (G. (By Mr. March) Okay. I believe you. Can 12 (G. (By Mr. March) Okay. I believe you. Can 13 (G. (By Mr. March) Okay. I believe you. Can 14 (G. (By Mr. March) Okay. I believe you. Can 15 you identify any peer reviewed scientific literature 16 (G. (By Mr. March) Okay. I believe you. Can 17 (G. (Can you identify any peer reviewed scientific literature which concludes that DMAA causes 18 (G. Can you identify any peer reviewed 21 (G. Can you identify any peer reviewed 22 (G. Can you identify any peer reviewed 32 (G. Can you identify any peer revi				
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bill Derived second process 9 identify any peer reviewed scientific literature which concludes that DMAA causes has stroke in humans? 7 Q. That's a fine answer; 8 10 concludes that DMAA causes has reviewed? 9 identify any peer reviewed scientific literature which concludes that DMAA causes heat stroke in humans? 9 0. Odu't mean to put work of you know right now whether or not X, Y, Z exists. 11 THE WITNESS: I don't recall, built fyou put me in froat of a computer. I know how to do the search to determine whether there is literature which concludes that DMAA causes heat stroke in humans? 0. Spaking of the Eliason article, the DDD article you've been referring to, was that peer reviewed? 12 you identify any peer reviewed scientific literature which concludes that DMAA causes heat stroke, if your question is, not put work in your mouth, but if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your question is, not put works in your mouth, if your				
7 the question? Host the last part of it. 7 Q. That's a fine answer. 8 Q. (By Mr. Marck) Sure, no problem. Can you identify any peer reviewed scientific literature which concludes that DMAA causes liver injury in humans? 7 Q. Dan't mean to put words in your mouth. I just wanted to know if you know right now whether or into X, Y. Z. exists. 12 THE WITNESS: I don't recall, but if you put me in front of a computer, I know how to do the save in to idecrimic whether there is literature. 10 Q. Speaking of the Eliason article, the DOD at the save into idecrimic whether there is literature. 13 put me in front of a computer, I know how to do the save reviewed Scientific literature. A. Sure. 14 you identify any peer reviewed Scientific literature. A. I believe so. What journal is it in? 15 you question is, is there evidence, valid 9 N. Yesh. Ibelieve that is a peer reviewed 15 out there, bat again, to really answer your question is, not to put words in your mouth, 1 9 N. Yesh. Ibelieve that is a peer reviewed 16 out there, there may be literature 9 Q. Can you identify any peer reviewed 17 out there, bat again, no really answer, your can say A. Same answer. 9 Q. Can you identify any peer reviewed 16 A. Same answer. 9 Q. Can you identify any peer reviewed				
a Q. (By Mr. Marck) Sure, no problem. Can you identify any peer reviewed scientific literature which concludes that DMAA causes fiver furging in hormans? A. Okay. identify any peer reviewed scientific literature which concludes that DMAA causes heat stroke in binamas? Q. Don't mean to put words in your mouth. I identify any peer reviewed scientific literature identify any peer reviewed scientific literature G. By Mr. Marck) Okay. J Eleive you. Can identify any peer reviewed scientific literature Minitury Medicine? A. Sure. identify any peer reviewed scientific literature Minitury Medicine? A. I believe so. What journal is it in? identify any peer reviewed scientific literature Minitury Medicine? Minitury Medicine? idy our question is, not op at work in your mouth, 2 Minitury Medicine? Minitury Medicine? idy our question is, not op at work in your mouth, 2 If is it is there vidence, valid Minitury Medicine? idy our question is, not op at work in your mouth, 2 Page 52 Q. Can you identify any peer reviewed is scientific literature which concludes that DMAA causes Mark K EICHNER, PHD. Really I would have tog our output which PDA q. Can you identify any peer reviewed G. Can you identify any peer reviewed G. Can you identify any peer reviewed is scientific literature which concludes that DMAA causes				-
9 identify any peer reviewed scientific literature which concludes that DMAA causes liver injury in humans? 9 Q. Don't mean to put words in your mouth. I 11 mK SCOTT: Object as to from. 11 iou X, Y, Z exists. 12 THE WTNESS: I don't recall, but if you 12 A. Sure. 13 put me in front of a computer, Harow hor to do the search to determine whether there is literature. 12 A. Sure. 14 you identify any peer reviewed search to iterature which concludes that DMAA causes heat stroke was a part of the case reports if that's correct, the Eliason paper. 13 A. I believe so. What journal is it in? 15 Mi Kay Medicine? 14 A. I believe so. What journal is it in? 16 Mi Revent that scalarly sup or reviewed 15 A. Teacall that heer, there may be literature out there, but agin, tor to put works in your mouth, 14 16 A. Sancula sup. 16 O. Can you identify any peer reviewed 17 Military Medicine? 17 Military Medicine? 0. Can you identify any peer reviewed 18 A. Same answer. 20 Can you identify any peer reviewed 21 A. Same answer. 21 A. Yes. 22 Can you identify any peer reviewed 23 A. Yes. 23 Scientific literature which concludes that DMAA causes 24 32 A.				
10 concludes that DMAA causes liver injury in humans? 11 MR. SCOTT: Object as to form. 12 THE WTINESS: I doit recall, but if you 13 put me in front of a computer, I know how to do the 14 search to determine whether there is literature. 15 Q. (By Mr. Mack) (Aga, I believe you. Can 16 you identify any peer reviewed scientific literature 17 which concludes that DMAA causes bat stroke in humans? 18 A. I recall that heat stroke was a part of 19 the case reports if that's correct, the Ellison paper. 19 out there, but again, to really answer your question, is, not to put work in your mouth, 14 evidence that it causes liver damage or heat stroke, 15 things like that, then the process that I would go 16 Q. Can you identify any peer reviewed 17 MMY K. EICHNER, PH.D. 2 A. Same answer. 3 Q. Can you identify any peer reviewed 3 scientific literature which concludes that DMAA causes 16 matches in humans? 17 A. Same answer. 18 Q. Can you identify any peer reviewed 19 scie				•
11 MR.SCOTT: Object as to form. 11 not X, Y, Z exists. 12 THE WTNESS: I don't recall, but if you 12 A. Sure. 13 gut me in from of a computer, I know how to do the 13 A. Sure. 14 search to determine whether three is literature. 14 A. Sure. 15 14 you identify any peer reviewed senific literature 14 A. I cellive so. What journal is it in? 15 M. I recall that heat stroke was a part of 16 A. I believe so. What journal is it in? 16 the case reports if that's correct, the Eliason paper. 17 Military Medicine? 16 a. I recall that here, there may be literature 16 A. Yeah, I believe so. What journal is it in? 17 military Medicine? 17 Military Medicine? 18 18 A. to pait weith of a sorrect, the Eliason paper. 19 A. Yeah, I believe not recall that there, there may be literature 19 out there, but again, on to put words in your mouth, 10 Neah, but the best way to concludes that DMAA impairs 14 things like that, then the process that I would go 12 A. Again, my process 14 AMY K. EICHNER, PH.D. 14				· · · ·
12 THE WITNESS: I don't recall, but if you 12 A. Stre. 13 put me in front of a computer, I know how to do the 4 3 14 search to determine whether there is literature. 14 15 Q. (By Mr. Marck) Okay, I believe you. Can 15 you identify any peer reviewed scientific literature 16 A. I recall that heat stroke was a part of 16 the case reports if that's correct, the Eliason paper. 16 A. Yeah, I believe so. What journal is it in? 17 Military Medicine? 0. No, this actually says no med. A. Yeah, I believe that is a peer reviewed 18 out there, but again, to really answer your question, in to put words in your mouth, 17 Military Medicine? 19 the case reports if that's correct, the Eliason paper. 10 C. Any oui dentify any peer reviewed 21 to trait the trait trave, but again, to really answer your question, in to put words in your mouth, 12 C. Can you identify any peer reviewed 22 things like that, then the process that I would go Page 52 Page 52 23 A. Same answer. 2 A. Same answer. 2 A. Yeas. 33 A. Again, same answer. 3 A. Yagai. Nereall, but it would hav				
11 Dutt minor of a computer. Lanow how to do the search to determine whether there is literature. 13 Dutt minor of a computer. Lanow how to do the search to determine whether there is literature. 14 14 20 Speaking of the Eliason article, the DOD 14 you identify any peer reviewed scientific literature 14 article you've been referring to, was that peer 15 Q. (By Mr. Marck) Okay. I believe you. Can 15 A. I believe so. What journal is it in? 16 A. I recall that heat stroke was as part of 16 A. I believe so. What journal is it in? 16 I arcealt that heat stroke was as part of 17 Military Medicine? 17 I believe so. What journal is it in? 17 18 A. Creal that there, there may be literature 18 A. Yeah, I believe that is a peer reviewed 19 out there, but again, to really answer your question, is, is there evidence, valid 18 19 20 I fit's the same answer. 20 19 21 21 AMY K. EICHNER, PH.D. 2 22 23 22 Page 52 14 14 14 3 Same answer. 20 14 14 14 4<		-		
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20 I seem to recall that there, there may be literature 20 journal, but the best way to verify that is to consult 21 out there, but again, to really answer your question, 21 the journal web page. 22 Q. Can you identify any peer reviewed 22 Q. Can you identify any peer reviewed 23 but if your question is, is there evidence, valid 22 Q. Can you identify any peer reviewed 24 evidence that it causes liver damage or heat stroke, 23 scientific literature which concludes that DMAA impairs 24 human thermoregulation in any way? 25 A. Again, my process 25 AMY K. EICHNER, PH.D. 2 Page 52 26 rate answer. 3 Q. Have you ever been in contact with the FDA 3 Q. Can you identify any peer reviewed 5 A. Yes. 3 G. Can you identify any peer reviewed 5 A. Yes. 3 G. Can you identify any peer reviewed 5 A. I don't recall, but it would have been 3 Scientific literature which concludes that DMAA causes 6 Q. When was your first contact? 4 A. Again, same answer. 2 A. I don't recall, but it would have been 5 <		-		
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1 by til fyour question is, is the revidence, valid 2 evidence that it causes liver damage or heat stroke, 25 things like that, then the process that I would go Page 52 1 AMY K. EICHNER, PH.D. 2 Q. If it's the same answer, you can say 3 A. Same answer. 4 Q. Can you identify any peer reviewed 5 scientific literature which concludes that DMAA causes 6 rhabdomyolysis in humans? 7 A. Same answer. 8 Q. Can you identify any peer reviewed 9 scientific literature which concludes that DMAA causes 6 A. Same answer. 8 Q. Can you identify any peer reviewed 9 scientific literature which concludes that DMAA causes 10 heart attacks in humans? 11 A. Again, same answer. 12 Q. Can you identify any peer reviewed 13 scientific literature which concludes that DMAA causes 14 cardiac dysrhythmia? 15 A. Same answer. 16 Q. Can you identify any peer reviewed 16 Q. Can you identify any p				
24 evidence that it causes liver damage or heat stroke, things like that, then the process that I would go 24 human thermoregulation in any way? 25 things like that, then the process that I would go Page 52 7 A. Sume answer. 2 4 Q. Can you identify any peer reviewed 3 6 rhabdomyolysis in humans? 3 7 A. Same answer. 6 8 Q. Can you identify any peer reviewed 5 6 rhabdomyolysis in humans? 7 7 A. Same answer. 6 8 Q. Can you identify any peer reviewed 5 9 scientific literature which concludes that DMAA causes 7 10 heart attacks in humans? 7 11 A. Again, same answer. 9 12 Q. Can you identify any peer reviewed 8 13 scientific literature which concludes that DMAA causes 9 14 cardiac dysrhythmia? 1 1 15 A. Same answer. 10 10 10 16 Q. Can you identify any peer reviewed 10 10 10				
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Page 52 Page 53 1 AMY K. EICHNER, PH.D. 2 Q. If it's the same answer, you can say 3 A. Same answer. 2 Really I would have to go through a process. 3 A. Same answer. 3 Q. Can you identify any peer reviewed 4 5 scientific literature which concludes that DMAA causes 5 A. Yes. 6 rhabdomyolysis in humans? 7 A. I don't recall, but it would have been 8 Q. Can you identify any peer reviewed 3 Sometime after 2009 when I took up my job at USADA. 9 scientific literature which concludes that DMAA causes 9 Q. Maw eny our are in contact with them, 10 what's the nature of those communications? Is it typically telephone, email, write a letter? 12 Q. Can you identify any peer reviewed 13 Q. Do you know an individual named Daniel 13 scientific literature which describes a confirmed 16 Q. When did you meet him? 13 biological mechanism of action through which 16 Q. When did you meet him? 14 Fabricant? A. Wen did I meet him? I met him originally 18 biological mechanism of action through which 16		-		
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2	A. I don't know what his title was.	² MR. MARCK: Sorry, Claude, go ahead.
3	(Brief interruption for package)	³ MR. SCOTT: Object as to form.
4	(Break)	⁴ THE WITNESS: I believe I can answer that
5	Q. (By Mr. Marck) Dr. Eichner, we were	⁵ question. I recall a meeting at Ole Miss. They would
6	speaking about your relationship with Daniel Fabricant	 ⁶ host a regular series of conferences and I seem to
7	while he was at NPA. Did you also know him during his	 remember that he was there one year when I went there.
8	tenure at the FDA?	⁸ Q. (By Mr. Marck) Do you remember the subject
9	A. Yes.	⁹ matter of that conference?
10	Q. Were you in regular contact with him when	¹⁰ A. Many different topics are discussed at
11	he was with the FDA?	¹¹ those conferences, but there's often a large botanical
12	A. Yes.	¹² component because Ole Miss is known for its botanical
13	Q. What was the mode of communication	 expertise.
14	typically with Dr. Fabricant?	¹⁴ Q. Did you speak at that conference?
15	A. Usually email.	¹⁵ A. I don't remember. I have spoken as those
16	Q. Did you ever meet him in person?	¹⁶ conferences before, but honestly, I would have to look
17	A. I would see him at conferences.	¹⁷ back at my presentation record to see if I spoke at any
18	Q. Can you give me an example of some	 particular conference.
19	conferences you may have met him at?	¹⁹ Q. Have you ever co-presented with Dr.
20	A. I don't remember which conferences, but it	²⁰ Fabricant?
21	could have been SupplySide, SupplySide Conference	²¹ A. I don't recall, but it's possible that
22	Series.	²² I've served on certain panels over the years and he may
23	Q. Did you ever attend a conference with him	 have been on one, but I don't recall a particular one.
24	and Dr. Khan and Dr. ElSohly?	²⁴ Q. Do you consider him a friend?
25	A. Actually, I think I did.	²⁵ A. No. I don't consider him an enemy.
	Page 56	Page 57
1	Page 56 AMY K. EICHNER, PH.D.	Page 57 ¹ AMY K. EICHNER, PH.D.
1 2		
	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 AMY K. EICHNER, PH.D. Q. I know, the extent of your personal relationship. Have you ever had any conversations with him regarding DMAA? A. Probably. And I know at the time, and I don't remember if he was at the NPA at this time or the FDA. I probably would have had conversations with him in both of his roles regarding DMAA. Q. Do you remember approximately what year that would have been? A. Anytime between 2011, 2012, 2013. You know, the issue about whether DMAA is in geranium oil has been around for a long time, so there would have been many opportunities and reasons to discuss with him or others. Q. And do you remember the content of the discussions regarding DMAA at all? A. No particulars. Q. And did you discuss other things with him besides DMAA? A. When he was at the FDA, we would provide USADA as an organization, would provide test results when we obtained them for any dietary supplement that 	1AMY K. EICHNER, PH.D.2was also not a legitimate dietary ingredient.3Q. What do you mean by "not a legitimate4dietary ingredient"?5A. Well, so the way we would determine that6is if the FDA had issued previous warning letters7regarding a particular ingredient and then we became8aware of a dietary supplements that contained that9ingredient. Then we would always share that10information with the FDA.11Q. Were you USADA's primary point of contact12with FDA regarding dietary supplements?13A. Probably, but I don't know if other14members of USADA also had communications with the FDA.15Q. But did you have a formal role as a16liaison between the two?17A. It wasn't a formal role, but USADA18generally is supportive of regulatory agencies and19where we have information that could help the FDA or20any regulatory agency, then we share that.21Q. Do you know where Dr. Fabricant currently22A. He's back at the Natural Products

	Page 58	Page 59
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	there?	² cleared it up.
3	A. I don't remember his exact transition	³ A. But to confirm what those initials stand
4	date, but it's been a while.	⁴ for, we would need to consult the website.
5	Q. Have you been in contact with him since	⁵ Q. Gotcha. Do you know what the relationship
6	he's been back at NPA?	⁶ currently is between USADA and the FDA's Dietary
7	A. I don't think so, but it's possible that I	7 Supplements Office?
8	emailed him, but I don't recall any particulars of why	⁸ A. I'm not aware of any particular
9	I would.	⁹ Q. Ongoing relationship?
10	Q. So in his role at NPA, you can't think of	¹⁰ A. Ongoing relationship, other than the fact
11	why you would actually be in contact with him there?	¹¹ that as we come across dietary supplements that we
12	A. Well, I can generally say that since we	¹² believe or have reason to believe that contain
13	published our paper, the 2012 article, and then shortly	¹³ ingredients that are not legitimate dietary ingredients
14	thereafter, I think maybe 2012, 2013, we just haven't	¹⁴ and where we have knowledge that could be useful, then
15	had a lot of dealings with the trade associations, with	¹⁵ we share that with the FDA.
16	any trade association.	¹⁶ Q. And do you make recommendations as to
17	So you know, I do maybe once or twice a	¹⁷ policy?
18	year have an email to or from CRN or AHPA or it could	¹⁸ A. No.
19	even be the MPA.	¹⁹ Q. Do you recommend certain enforcement
20	Q. Can you explain who CRN is?	²⁰ actions?
21	A. Council For Responsible Nutrition and AHPA	²¹ A. No.
22	is American Herbal Products Association, I think.	²² Q. And recommend any regulatory actions?
23	Q. AHPA?	²³ A. No.
24	A. AHPA.	²⁴ Q. Were any formal meetings held with the FDA
25	Q. I thought you were saying OPPA, so glad we	²⁵ regarding DMAA?
	Page 60	Page 61
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	MR. SCOTT: Object as to form.	² Q. Do you know that for sure?
3	THE WITNESS: Formal meetings.	³ A. I don't. I'm not aware of any such
4	Q. (By Mr. Marck) I'll describe that as like	⁴ funding.
5	a teleconference where the subject matter was	⁵ Q. Did the FDA provide any financial support
6	determined to be DMAA or an in-person meeting where	⁶ for USADA activities regarding DMAA?
7	people from USADA, including yourself, and someone from	⁷ A. Not that I'm aware.
8	FDA met to discuss DMAA.	⁸ Q. Have you ever heard of the Natural
9	MR. SCOTT: Same objection.	⁹ Products Research Center at the University of
10	THE WITNESS: I don't recall any such	¹⁰ Mississippi?
11	meetings. Like I said, if I was at a conference with	¹¹ A. Possibly, but is that Phytochemical?
12	Dan Fabricant or other members of the FDA, then I would	12 Q. It's not.
13	take that occasion to talk about USADA's concerns about	¹³ A. Okay. So that name doesn't ring a bell to
14	DMAA, but I don't recall any specific formal meetings	¹⁴ me as a specific entity that I had any dealings with,
15	where we met to discuss whether or not it was a legal	¹⁵ but I could easily, if ElSohly is a part of that, then,
16	ingredient or something like that.	¹⁶ I'm having dealings with that.
17	Q. When you would run into Dan Fabricant at,	¹⁷ Q. I gotcha. Do you know if USADA's ever
18	say, a conference, whether it be SupplySide or down at	¹⁸ actually provided any funding to the Center?
19	Ole Miss, would you consider your activities like	¹⁹ A. I don't know. Aside from the \$25,000
20	lobbying?	²⁰ contract, which I believe was \$25,000, the contract
21	MR. SCOTT: Object as to form.	²¹ with ElSohly's and Khan's group.
22	THE WITNESS: No.	²² Q. And in order to expedite things, I'll say
23	Q. (By Mr. Marck) Did FDA provide any	²³ "Ole Miss" because you know what I'm talking about and
24	financial support for USADA activities?	²⁴ we're referring to the University of Mississippi, but
25	A. No.	²⁵ we'll just make things a little bit quicker, especially

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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	when we get to exhibits, we'll say "Ole Miss." Are you	2	an expert witness in this litigation?
3	familiar with Dr. Ikhlas Khan?	3	A. Yes.
4	A. Yes.	4	Q. Do you know where Dr. Khan gets funding
5	Q. When did you meet him?	5	for his various research projects?
6	A. I don't recall the first time, but I would	6	A. No.
7	guess it was at a conference that I attended.	7	Q. Do you respect him as a scientist?
8	Q. Did you meet him through Daniel Eichner?	8	A. Yes.
9	A. Possibly.	9	Q. Do you trust his judgment?
10	Q. Is Daniel Eichner your husband?	10	A. I don't have any reason not to.
11	A. Yes.	11	Q. Do you consider him a person with
12	Q. And do you consider Dr. Khan a friend?	12	integrity?
13	A. No.	13	A. Yes. I don't have any reason not to.
14	Q. A colleague?	14	Q. Are you familiar with Mahmoud, Dr. Mahmoud
15	A. A colleague.	15	ElSohly?
16	Q. How often are you in contact with him?	16	A. Yes.
17	A. Aside from this, our 2012 article, and	17	Q. And when did you meet him?
18	occasional contact at conferences, rarely.	18 19	A. I would have met him through Dr. Khan and
19 20	Q. Just rarely like maybe once every couple	20	I don't recall the first time. It was probably at a
20	months?	20	conference.
22	A. Not even.	22	Q. Do you consider him a colleague?A. Yes.
23	Q. Have you had any conversations with Dr. Khan regarding this litigation?	23	Q. Have you had any conversations with Dr.
24	A. No.	24	ElSohly regarding this litigation?
25	Q. Are you aware that Dr. Khan is serving as	25	A. He was required to disclose to USADA the
	Page 64		Page 65
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	existence of a Subpoena many months ago. And following	2	A. Yes, but again, I, when I refer to my
3	his disclosure that he had received a Subpoena, we've	3	colleagues, I don't really know what business entities
4 5	had no further contact.	4	they represent at any particular time. I just know
6	Q. When he disclosed that service of the	5	them as Dr. ElSohly, Dr. Khan and et cetera.
7	Subpoena on him, what did USADA do?	7	Q. I guess you probably strike that. Do
8	A. Nothing. We asked about the nature of the	8	you know if Dr. Khan has an ownership interest in PSI?
9	Subpoena. This is outside of my area because I don't know what happened behind the scenes, but I believe we	9	A. I don't know.Q. And do you know if Dr. ElSohly does?
10	received a copy of it so that we could understand what	10	Q. And do you know if Dr. ElSohly does?A. I don't know.
11	documents would involve USADA.	11	Q. Who is Johncie Wingard?
12	Q. Do you know why he was compelled to share	12	A. She is an employee of USADA.
13	the Subpoena with USADA?	13	Q. Do you know what her role is?
14	A. I don't know for sure, but I think there	14	A. She helps the Legal Department.
15	was a clause in our contract that we asked for	15	Q. Is she an attorney?
16	notification in the event of a Subpoena.	16	A. I don't believe so.
17	Q. Do you respect Dr. ElSohly as a scientist?	17	(Exhibit 1 was marked)
18	A. Yes. I don't have any reason not to.	18	MR. MARCK: Claude, this is ElSohly 3480.
19	Q. Do you trust his judgment?	19	MR. SCOTT: Exhibit 1?
20	A. Yes.	20	MR. MARCK: Exhibit Eichner 1
21	Q. And you consider him a person of	21	Q. (By Mr. Marck) Doctor, if you could just
22	integrity?	22	please review the entire document. I don't think you
23	A. Yes.	23	need to read every line in detail, but that's fine.
24			
24	Q. Are you familiar with Phytochemical	24	MR. KOONS: Are you going to ask her
25	Q. Are you familiar with Phytochemical Services, Incorporated?	24 25	MR. KOONS: Are you going to ask her questions about what's in the content?

	Page 66	Page 67
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	MR. MARCK: I am, yes.	² Q. Beyond what's listed in the document, do
3	THE WITNESS: Okay.	³ you have any other understanding of what the role was
4	Q. (By Mr. Marck) Are you ready?	4 going to be pursuant to the agreement?
5	A. Uh-huh (affirmative).	⁵ A. We were trying to replicate the Ping
6	Q. Can you please flip to page 3, which is	⁶ study.
7	ElSohly 3482. Do you recognize this agreement?	⁷ Q. What do you mean by "Ping study"?
8	A. Uh-huh (affirmative).	⁸ A. This was an article that established the
9	Q. Can you read me the title of it?	⁹ presence of DMAA in geranium oil. It was the only
10	A. "Consulting Agreement."	¹⁰ known publication at that time. We wanted to validate
11	Q. Did you negotiate this agreement?	¹¹ it by basically performing the study all over again as
12	A. No.	¹² is common in scientific research. So when one lab
13	Q. Do you know who did?	¹³ reports something, when another lab can verify and get
14	A. No, but I believe it was Dr. Bowers and	14 the same result, then the conclusions are much
15	Dr. ElSohly and Dr. Khan may have been involved, but I	¹⁵ stronger.
16	don't know.	¹⁶ Q. Going to this study that was being
17	Q. How much did USADA agree to pay PSI?	¹⁷ negotiated with Dr. Khan, or excuse me, with PSI, did
18	A. "Consultant shall be paid a one-time	¹⁸ you have an opinion regarding the validity of the Ping
19	consultant fee of \$25,000."	¹⁹ study?
20	Q. And what was USADA paying PSI to do?	²⁰ A. Yes.
21	A. "Services. Consultant shall assist USADA	²¹ Q. Which was?
22	by consulting research on the constituents of the	A. We did not think that the Ping study's
23	Pelargonium graveolens extract. PSI will identify and	²³ conclusions were valid.
24	obtain Pelargonium graveolens, extract it, and conduct	²⁴ Q. Why?
25	mass spectrometry on the extract."	²⁵ A. There were a number of reasons. I want to
	Page 68	Page 69
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	AMY K. EICHNER, PH.D. preface this by saying that I am not a chemist	 AMY K. EICHNER, PH.D. ² sense at that time was the amount that Ping reported,
2 3	AMY K. EICHNER, PH.D. preface this by saying that I am not a chemist reminding everyone that mass spectrometry is not my	 AMY K. EICHNER, PH.D. sense at that time was the amount that Ping reported, the amount of methylhexaneamine did not add up to the
2 3 4	AMY K. EICHNER, PH.D. preface this by saying that I am not a chemist reminding everyone that mass spectrometry is not my area of expertise, but I can summarize the feelings and	 AMY K. EICHNER, PH.D. sense at that time was the amount that Ping reported, the amount of methylhexaneamine did not add up to the amount of methylhexaneamine that was detected in
2 3 4 5	AMY K. EICHNER, PH.D. preface this by saying that I am not a chemist reminding everyone that mass spectrometry is not my area of expertise, but I can summarize the feelings and thoughts of the larger group, which consisted of Khan,	 AMY K. EICHNER, PH.D. sense at that time was the amount that Ping reported, the amount of methylhexaneamine did not add up to the amount of methylhexaneamine that was detected in dietary supplements. The numbers just didn't add up.
2 3 4 5 6	AMY K. EICHNER, PH.D. preface this by saying that I am not a chemist reminding everyone that mass spectrometry is not my area of expertise, but I can summarize the feelings and thoughts of the larger group, which consisted of Khan, ElSohly and Dr. Bowers.	 AMY K. EICHNER, PH.D. sense at that time was the amount that Ping reported, the amount of methylhexaneamine did not add up to the amount of methylhexaneamine that was detected in dietary supplements. The numbers just didn't add up. So at that time, it didn't make any sense that
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	Page 70		Page 71
1		1	
1 2	AMY K. EICHNER, PH.D. A. I must have.	2	AMY K. EICHNER, PH.D.
3	Q. Do you have any reason to believe that you	3	Q. Are you familiar with the group called AOAC International?
4	didn't?	4	A. Rings a bell, but
5	A. No.	5	Q. Are you a member?
6	Q. What's the date of this email?	6	A. No, I don't think so, not unless someone
7	A. April 20th, 2011.	7	signed me up.
8	Q. Can you read the second line of the email,	8	Q. You can put that to the side. Do you know
9	second sentence, excuse me?	9	who Gary Coody is?
10	A. "Here you will find an executed Consulting	10	A. Yes.
11	Agreement."	11	Q. Who is he?
12	Q. Sorry, the second sentence after?	12	A. He worked at the FDA. I believe he
13	A. Oh, "I had so much fun at your conference,	13	worked at the FDA at the time. I seem to remember that
14	and Ikhlas your 'show me the money tag' really worked."	14	he has since retired, but I don't recall.
15	Q. What conference are you referring to?	15	Q. I can't answer the question.
16	A. I don't remember, but since I said "your	16	A. Okay. I have to do all the answering
17	conference," I was probably referring to Ole Miss, the	17	then.
18	botanical thing that they would have every year.	18	Q. That's right. But you have no more memory
19	Q. Because of the dates, this likely happened	19	about him other than being someone at FDA?
20	sometime in the spring of 2011?	20	A. So I met him on a couple of occasions. I
21	A. Probably.	21	know that we would occasionally email him with
22	Q. "Show me the money." What were you	22	questions about different aspects of the logged dietary
23	referring to, do you remember?	23	supplements or we might have sent him test reports at
24	A. I don't remember, but he must have said	24	some point.
25	something funny.	25	Q. Do you know where at FDA he worked?
	Page 72		Page 73
1	Page 72	1	Page 73
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	Page 74		Page 75
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	THE WITNESS: Okay	2	Q. Continuing on page 4, can you please focus
3	Q. (By Mr. Marck) Let's start with the email	3	on the email from Gary Coody to Robert Moore and
4	at the bottom of page 4, which is marked GOV 7413. Do	4	Kathleen Lewis?
5	you see the one I'm referring to?	5	A. Uh-huh (affirmative).
6	A. Uh-huh (affirmative).	6	Q. Have you ever seen this email?
7	Q. Did you send this email?	7	A. Uh-huh (affirmative).
8	A. Yes.	8	Q. Is that "yes"?
9	Q. To who?	9	MR. KOONS: "Yes" or "no."
10	A. Gary Coody.	10	THE WITNESS: Sorry.
11	Q. And the date?	11	Q. (By Mr. Marck) That's okay. What date was
12	A. October 11, 2010.	12	this email sent on?
13	Q. And do you have any reason to believe this	13	A. October 11th.
14	is not an email that you sent?	14	A. 2010.
15	A. No.	15	Q. At the time this email was sent, did you
16	Q. What prompted this email?	16	agree with Mr. Coody's comment that DMAA is, quote,
17	A. Reading through this, must have been the	17	"naturally-occurring in geranium and other flower
18	time when we were very first trying to understand why	18	oils"?
19	methylhexaneamine was popping up in anti-doping tests.	19	A. The question is did I, do I agree that it
20	So as I had mentioned before, this was just very	20	is naturally-occurring in geranium and other flower
21	important for us to understand the source of the	21	oils?
22	methylhexaneamine so that he knew how to advise	22	Q. At the time it was written.
23	athletes whether they just need to steer clear from	23	A. So I didn't know and we didn't know at
24	methylhexaneamine or whether it was more broadly	24	USADA. We were aware of the Ping study at that time
25	available in plants such as geranium oil.	25	and for the reasons that I stated earlier, we doubted
	avanaoro in plants such as golandari oni.		and for the reasons that I stated carrier, we doubted
	Page 76		Page 77
1		1	
1 2	AMY K. EICHNER, PH.D.	1 2	AMY K. EICHNER, PH.D.
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	Page 78	Page 79
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	Q. And the date, please?	² your understanding of these concepts prior to Dr.
3	A. October 13th, 2010.	³ Moore's email?
4	Q. And this email continues on to the	⁴ A. That's a hard question to answer because I
5	following page. Can you flip to the top of page 3 and	⁵ was in such a learning stage at that time. I had read
6	there's a comment by Dr. Moore that DMAA is, quote,	⁶ the FDA web page about dietary ingredients and dietary
7	"found in many plants." At the time that you heard	⁷ supplements, but it's one thing to read regulation and
8	this, did you agree with it?	⁸ it's another thing to understand how it's applied. So
9	A. Well, this was intriguing. I wanted to	⁹ I just had no idea about how it's transferred to like
10	know more about which plants methylhexaneamine was	¹⁰ application.
11	found in because this is very important for how we	¹¹ Q. Dr. Moore's responses to you helped fill
12	advise athletes. So up to this point, we hadn't found	¹² in some blanks?
13	any evidence that it was in plants, so it was very	¹³ A. Well, it must have. And if you want me to
14	important for us to follow up on this.	¹⁴ read in great detail, then I maybe could point out some
15	Q. Speaking of following up, can we flip to	¹⁵ examples.
16	page 1. There's an email at the bottom of the page.	¹⁶ Q. We don't need to go there.
17	Who sent that email?	¹⁷ A. Okay.
18	A. I did.	¹⁸ Q. Otherwise we'll be here 'til tomorrow.
19	Q. And who did you send it to?	¹⁹ Now the way these emails are set up, Dr. Moore seemed
20	A. Robert Moore.	²⁰ to have put in some comments directly into your email
21	Q. And the date please?	²¹ and do you see his comment at the bottom of the page
22	A. October 13th, 2010.	that DMAA is found in the oil of many geraniums?
23	Q. You state that Dr. Moore's descriptions	A. It is found in the oil of many geraniums,
24	below, referring to his previous email, "help me to	²⁴ yes.
25	understand dietary ingredients and NDIs." What was	²⁵ Q. Do you know why Dr. Moore took that
	Page 80	Page 81
1	Page 80	Page 81
1 2	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
	AMY K. EICHNER, PH.D. position?	 AMY K. EICHNER, PH.D. Dr. Bowers?
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2 3 4	AMY K. EICHNER, PH.D. position? A. No. MR. SCOTT: Object as to form. Q. (By Mr. Marck) Do you know the FDA's basis	 AMY K. EICHNER, PH.D. Dr. Bowers? A. Yeah. Q. Solely the two of you? A. I think so. You know, there are other
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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	A. I probably did, but I don't recall him, I	2	A. Yes.
3	don't recall any particular conversations with him.	3	Q. And you copied Robert Moore?
4	Q. You can put that one to the side now.	4	A. Yes.
5	Thank you.	5	Q. And the date is December 1st, 2010?
6	(Exhibit 3 was marked)	6	A. Yes.
7	(Attorneys conferring)	7	Q. Any reason to believe this email is not
8	Q. (By Mr. Marck) USADA 7072, it's pretty	8	authentic?
9	much the continuation of the previous email string that	9	A. No.
10	we had.	10	Q. In the second paragraph, you say, "We are
11	A. Okay.	11	conducting," I'm sorry, strike that. First paragraph,
12	Q. You may be ready, but let's give Claude a	12	you state, "I have a feeling someone will be submitting
13	minute. Thank you?	13	an NDI for methylhexaneamine." Why did you have that
14	MR. MARCK: And, Claude, let us know when	14	feeling?
15	you've had a chance to get it.	15	A. I don't know.
16	MR. SCOTT: Okay.	16	Q. No recollection at all?
17	Q. (By Mr. Marck) Dr. Eichner, if you could	17	A. No. Probably because if it's a lucrative
18	look at the email that starts right at the bottom of	18	or valuable ingredient, then the dietary supplement
19	the page. It says, "From Amy Eichner." Do you see	19	industry, it would behoove them to go along with
20	that, follow all the way down to the bottom, goes on to	20	regulations that require the notification of new
21	the next page?	21	dietary ingredients.
22 23	A. Yes.	22 23	Q. In what instance is an NDI required?
23	Q. You sent this email?A. Yes.	23	MR. SCOTT: Object as to form.
25	A. Yes.Q. To Dan Levy?	25	THE WITNESS: My understanding is that if it is a dietary if it's something that doesn't meet
	Q. To Dan Levy?		it is a dietary if it's something that doesn't meet
	Page 84		Page 85
1	Page 84 AMY K. EICHNER, PH.D.	1	Page 85 AMY K. EICHNER, PH.D.
1 2	AMY K. EICHNER, PH.D. the current definition of a dietary ingredient, so if	2	AMY K. EICHNER, PH.D. definitely draw conclusions based on the limits of your
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2 3 4 5	AMY K. EICHNER, PH.D. the current definition of a dietary ingredient, so if it's not a plant or a constituent or an amino acid or if it doesn't already fall into that dietary ingredient category as written, then there's still an opportunity	2 3 4 5	AMY K. EICHNER, PH.D. definitely draw conclusions based on the limits of your data in your paper and your conditions absolutely, but as with all science, there could be something else out there. There could be some other species that we
2 3 4 5 6	AMY K. EICHNER, PH.D. the current definition of a dietary ingredient, so if it's not a plant or a constituent or an amino acid or if it doesn't already fall into that dietary ingredient category as written, then there's still an opportunity for a supplement company to have a new ingredient	2 3 4 5 6	AMY K. EICHNER, PH.D. definitely draw conclusions based on the limits of your data in your paper and your conditions absolutely, but as with all science, there could be something else out there. There could be some other species that we didn't test or something like that. So yes, I would
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	Page 86	Page 87
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	research program.	² like an uphill battle"?
3	Q. Flipping back to page 1 of this exhibit,	3 A. I meant that getting the FDA to understand
4	which is USADA 7072, there's an email from Daniel Levy	⁴ the limitations of the Ping study may be harder than we
5	dated December 1st, 2010, do you see that one?	⁵ originally thought.
6	A. Yes.	⁶ Q. You can put that one to the side.
7	Q. It was sent to yourself, Dr. Eichner, and	 7 MR. MARCK: Claude, can you find USADA
8	copied Robert Moore, correct?	⁸ 7070? I think it might be a little easier because it's
9	A. Yes.	⁹ the page before it. This is going to get marked as
10	Q. Please read that. Have you reviewed that	10 Eichner 4.
11	one in detail already?	¹¹ (Exhibit 4 was marked)
12	A. Yes, I have.	¹² MR. SCOTT: Got it.
13	Q. Do you agree with Dr. Levy's statement	¹³ Q. (By Mr. Marck) Dr. Eichner, take as much
14	that is, quote, "Proving a negative, i.e. that no	¹⁴ time as you need to review it.
15	variety ever expressed methylhexaneamine might be a	¹⁵ A. Okay.
16	challenge"?	¹⁶ Q. Flip to page 2, please. There's a single
17	A. Yes.	¹⁷ email on this page, correct?
18	Q. There's another email directly above it	¹⁸ A. Yes.
19	from yourself to what I think is Lori Bestervelt; is	¹⁹ Q. Who sent that email?
20	that correct?	²⁰ A. Larry Bowers.
21	A. Yes.	²¹ Q. To who?
22	Q. What did you mean when you sorry, the	²² A. Me.
23	date of that email is December 1st, 2010, correct?	²³ Q. And the date please?
24	A. Yes.	²⁴ A. December 1st, 2010.
25	Q. What did you mean when you said, "Looks	²⁵ Q. Can you please read aloud the fourth
	Page 88	Page 89
	Iuge oo	
1		
1 2	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
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	Page 90	Page 91
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	learning how all of this works. I did appreciate the	² that's consistent with what you just said that you felt
3	fact that any decision that the FDA makes on anything	³ like you needed to move quickly?
4	has an impact both on public health safety and	⁴ A. On behalf of athletes.
5	business. So I respected that.	5 Q. Put that one to the side.
6	However, my role at USADA was and	6 MR. MARCK: Claude, we won't be using any
7	continues to be to protect athletes. And on a daily	⁷ of the new exhibits for a while just so you know.
8	basis, I was continuing to field questions about	⁸ MR. SCOTT: I'll keep them up anyway, so
9	methylhexaneamine and geranium oil. So this was an	⁹ it won't take me so long to get through if you use some
10	important puzzle to solve.	
11	Q. Did you feel like this was an urgent	more.
12	situation?	11MR. KOONS: Another hour, saying should we12take a quick break for lunch?
13		¹² take a quick break for functi? ¹³ MR. MARCK: Perfect.
14	A. On behalf of athletes, yes, because a	With WhiteK. Fellect.
15	positive doping test can ruin the career of an athlete.	(Dicak)
16	Q. Flipping to the email right at the top,	Q. (By Wr. Watek) I'd like to mark another
17	who sent that one?	exhibit, when I think will be Elemen
18	A. I did.	(Exhibit 5 was marked)
10	Q. To who?	with white K. Claude, this document is one
20	A. Larry.	14135 / 507.
20	Q. And the last name?	Q. (By Wit: Water) 7 mily, Dr. Elemier, could you
21	A. Bowers.	preuse review. Borry, i see your mist nume in so many
22	Q. The date, please?	timgs.
23	A. December 2nd, 2010.	A. RSORAY. ORAY.
	Q. And you state, "I guess I felt like we had	Q. Did you send this email.
25	to be quick and these things take time." I guess	²⁵ A. Yes.
	Page 92	Page 93
1	Page 92 AMY K. EICHNER, PH.D.	Page 93 1 AMY K. EICHNER, PH.D.
1 2		
	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
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	Page 94		Page 95
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	(Exhibit 7 was marked)	2	A. I've been to yes, the Ole Miss
3	THE WITNESS: Okay.	3	botanical conference, that's how I refer to it. I know
4	Q. (By Mr. Marck) All right. Was this email	4	it has a technical name. I've been to it at least
5 se	ent by you?	5	twice.
6	A. Yes.	6	Q. Do you remember the years you went?
7	Q. To who?	7	A. I don't.
8	A. Dr. Khan.	8	Q. Approximately?
9	Q. And the date, please?	9	A. Well, it appears I went this year
10	A. November 11, 2010.	10	upcoming, so I don't know if that would have been in
11	Q. Do you remember this email?	11	2010 or 2011. And I know I went subsequently some
12	A. No.	12	other year, but I just don't remember.
13	Q. You use the words "pretty keen" to	13	Q. Okay. I don't want to have you answer if
¹⁴ de	escribe the mood. I think we've kind of discussed,	14	you don't know the answer. One of the sentences says,
¹⁵ bu	it what really prompted that urgency?	15	refers to "serious issues happening in the dietary
16	A. We were very concerned about all of the	16	supplement arena with regards to botanicals." Can you
17 at	hletes testing positive for methylhexaneamine at this	17	elaborate on what you meant by "serious issues"?
¹⁸ tir	ne.	18	A. Yes, one of the issues was that dietary
19	Q. Was that the whole mess you were referring	19	supplements companies were selling methylhexaneamine in
²⁰ to	?	20	their products and it was labeled as geranium oil on
21	A. Yes, and the lack of any conclusive	21	the label. So the serious issue for us, again, was, is
²² ev	vidence about where it was coming from.	22	methylhexaneamine in geranium oil. Do we need to tell
23	Q. And do you remember the conference you	23	athletes that they can't use geranium oil. That was
	ere referring to in the second paragraph? Do you	24	one issue.
25 th	ink it's the one we were discussing earlier?	25	Q. Stop you right there and we'll continue.
	Page 96		Page 97
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2 Ho	ow many athletes were testing positive for DMAA in a	2	always, we were aware for many years that dietary
	ven year just to give an idea of the scope of the	3	supplements continue to be sold with illegal steroids
Ũ	sue?	4	and other illegal ingredients, controlled substances.
5	A. That information is all available on	5	Q. Thank you. I didn't mean to cut you off.
6 W6	ebsites and also in WADA annual documents and/or	6	I thought I had gotten there a different route. I'm
7 rej	port documents. I don't know, but I can say that it	7	going to mark now Eichner 8. This is Ole Miss 9792.
8 Wa	as enough that it was odd. It was very odd for so	8	(Exhibit 8 was marked)
9 ma	any athletes to test positive for the same substance.	9	Q. (By Mr. Marck) Skipping to the second
10 It	was a spike in athletes testing positive that was	10	page, which is marked 9793, there's an email that
	usual.		
		11	begins that page. Who sent that email?
	Q. Is it fair to say that's what prompted	11 12	A. Down the middle of the page, I sent an
11 un 12			A. Down the middle of the page, I sent an email to Dr. Khan and Dr. Bowers.
11 un 12	Q. Is it fair to say that's what promptedch urgency on your behalf and USADA's behalf?A. Yes, that would be fair to say that.	12	A. Down the middle of the page, I sent an email to Dr. Khan and Dr. Bowers.Q. And the date, please?
11 un 12 13 su 14 15	Q. Is it fair to say that's what promptedch urgency on your behalf and USADA's behalf?A. Yes, that would be fair to say that.Q. Why don't we put this one to the side as	12 13	A. Down the middle of the page, I sent an email to Dr. Khan and Dr. Bowers.Q. And the date, please?A. January 11, 2011.
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	Page 98	Page 99	
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.	
2	with vendors.	² A. Uh-huh (affirmative).	
3	Q. And why would USADA need Dr. Khan and PSI	3 Q. Who sent that?	
4	to enter into a Non-Disclosure Agreement regarding the	⁴ A. I did to Dr. ElSohly, Dr. Khan and Dr.	
5	proposed research?	⁵ Bowers on January 14th, 2011.	
6	A. As far as I'm aware, that's just standard	⁶ Q. Thank you. What made you not want to test	
7	operating procedure for USADA.	⁷ commercially available geranium oils?	
8	Q. So these are typically obtained for any	⁸ A. Our focus was really on authenticated	
9	research that they're going to be doing?	⁹ plant material. If we felt that it was very important	
10	A. That I don't know.	¹⁰ to authenticate the plant material because we wanted to	
11	Q. You can turn to page 1. That's marked Ole	¹¹ be sure that we were dealing with Pelargonium	
12	Miss 9792. There's an email at the bottom of the page	¹² graveolens and not some other species.	
13	sent from a Dr. ElSohly to you on January 2011. Do you	¹³ Q. Did you have reason to believe that the	
14	agree?	¹⁴ oils were mixed?	
15	A. Yes.	¹⁵ A. Well, we wouldn't be in a position to	
16	Q. And in point number 2, Dr. ElSohly	¹⁶ verify whether or not they were.	
17	proposed to conduct, quote, "an abbreviated validation	¹⁷ Q. Do you know anything about that industry	
18	of the analytical method." Do you know what he means	¹⁸ and how the products are typically created or mixed	
19	by "abbreviated"?	¹⁹ together?	
20	A. No.	A. Some well, my understanding is that	
21	Q. Is researching commission normally subject	²¹ they can be, but we felt it was important that we	
22	to an abbreviated validation?	really knew what our starting material was because the	
23	A. I don't know.	²³ Ping paper specified Pelargonium graveolens, so we	
24	Q. Please take a look at the email	²⁴ wanted to be sure that we were dealing with Pelargonium	1
25	immediately above that.	²⁵ graveolens.	
	Page 100	Page 101	
1	Page 100	Page 101	
1 2	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.	
	AMY K. EICHNER, PH.D. Q. Are all variations of that species the	 AMY K. EICHNER, PH.D. ² information." 	
2	AMY K. EICHNER, PH.D.	 AMY K. EICHNER, PH.D. information." Q. And can you please flip to page 6, which 	
2 3	AMY K. EICHNER, PH.D. Q. Are all variations of that species the same? A. I don't know.	 AMY K. EICHNER, PH.D. information." Q. And can you please flip to page 6, which is 4351, and the heading that says "Conclusion," can 	
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2 3 4 5 6	AMY K. EICHNER, PH.D. Q. Are all variations of that species the same? A. I don't know. MR. SCOTT: Object to the form. Q. (By Mr. Marck) We can move on from this	 AMY K. EICHNER, PH.D. information." Q. And can you please flip to page 6, which is 4351, and the heading that says "Conclusion," can you please read that first paragraph? A. "A sensitive and reliable CG/MS procedure 	
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2 3 4 5 6 7 8 9 10	AMY K. EICHNER, PH.D. Q. Are all variations of that species the same? A. I don't know. MR. SCOTT: Object to the form. Q. (By Mr. Marck) We can move on from this one. MR. MARCK: Claude, this is marked ElSohly 4346. (Exhibit 9 was marked)	 AMY K. EICHNER, PH.D. information." Q. And can you please flip to page 6, which is 4351, and the heading that says "Conclusion," can you please read that first paragraph? A. "A sensitive and reliable CG/MS procedure was developed for the analysis of DMP in Pelargonium oil and leaves. None of the oils or the plant material analyzed showed any detectable level of DMP, less than one part per million." 	1.
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	Page 102		Page 103
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	A. Uh-huh (affirmative).	2	conclude that this was provided to us at that time.
3	Q. Is there a reason that oil was added?	3	Q. The email at the top of the chain says,
4	A. I believe that was the oil that was	4	"Attachments: DMP Preliminary Report.docx."?
5	extracted from the plant.	5	A. Yes.
6	Q. Can you please flip back to the first	6	Q. And "Chromatograms, pdf"?
7	page?	7	A. Yes. Yes. Okay.
8	A. Yes.	8	Q. So just to be clear for the record, you
9	Q. Again, what time was this email sent to	9	have no reason to believe that's not the attachment?
10	you?	10	A. No, I just wanted to understand.
11	A. 4:31 p.m.	11	Q. That's fine. I want everyone to be on the
12	Q. We can put this one to side. We might	12	same page. And then when you've had a chance to review
13	flip back to this one, so just keep it somewhat handy,	13	that one, just let me know.
14	I guess.	14	MR. KOONS: What number did we mark this
15	(Exhibit 10 was marked)	15	as?
16	THE WITNESS: Before we move on, so do I	16	MR. MARCK: That's Eichner 10.
17	draw the conclusion then from your last statement that	17	MR. SCOTT: Document number?
18	this was attached to this particular email from 4:31	18	MR. MARCK: GOV 7430. Sorry, Claude, I
19	p.m	19	thought I said that.
20	Q. (By Mr. Marck) Let me ask you that	20	THE WITNESS: Okay.
21	question. Do you have any reason to believe that it	21	Q. (By Mr. Marck) And please review the email
22	wasn't?	22	at the bottom of the first page. And was this email
23	A. I have no idea what it was attached to,	23	sent by you?
24	but I'm assuming since you provided this email chain	24	A. Yes, to Robert Moore on April 6, 2011.
25	and you've made a note of the time that I should	25	Q. And this is the same Robert Moore that we
	D		
	Page 104		Page 105
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 AMY K. EICHNER, PH.D. discussed before who worked at the FDA? A. Yes. Q. And who you communicated with back in October of 2010 timeframe? A. Yes. Q. Please read the second and third sentences of the email aloud. A. "We have scoured the literature, and we have also conducted testing on the plants themselves and on commercially available geranium oils. We have failed to find a shred of approximate evidence to support methylhexaneamine naturally occurs in geranium oil." Q. What date was this email sent on again? A. April 6, 2011. Q. Is it safe to say you were very eager to share the preliminary results of the study with the FDA? A. We are always eager to share important information about safety with the FDA. Q. Prior to this April 6, 2011 email, do you 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 AMY K. EICHNER, PH.D. A. I don't know. Possibly. Q. One last question. It says that, "We have conducted testing on the plants themselves and on commercially available geranium oils." We previously discussed that. I guess the preliminary idea was not to test geranium oils or commercially available ones? A. That's correct. Q. Did something change in the interim? A. It could have. I would have to look back at the ElSohly paper to make see if we ended testing commercially available oils. I do know that NSF International at that time was testing commercially available geranium oils in parallel. Q. What does the phrase "shred of evidence" mean? A. We just could not find valid solid evidence that we felt we could rely on conclusively. Q. I mean in the sense "valid" means what? A. That we were certain that the conclusions were accurate. Q. Can you flip back to the previous exhibit,

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	Page 106		Page 107
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	MR. MARCK: Sorry, it's on page 2.	2	expecting from the FDA?
3	MR. KOONS: March what?	3	A. Well, I guess we
4	MR. MARCK: March 6th, 2011, says "at 3:33	4	MR. SCOTT: Object as to form. She shared
5	p.m." I think this is another email that's missing a	5	the results with Dr. Bowers?
6	header.	6	Q. (By Mr. Marck) Excuse me, not Dr. Bowers,
7	Q. (By Mr. Marck) Do you see that one, Dr.	7	Dr. Moore. Excuse me.
8	Eichner?	8	MR. SCOTT: All right.
9	A. Yes.	9	THE WITNESS: Repeat the question?
10	Q. Are you the sender and Dr. Khan the	10	MR. MARCK: Can you read it back.
11	recipient?	11	(Attorneys conferring)
12	A. As far as I'm aware, yes.	12	MR. KOONS: I'm looking at Exhibit 9.
13	Q. What important implications for the	13	That was sent at 4:31 p.m.
14	supplement industry did you think that the USADA study	14	MR. MARCK: Let's go off the record real
15	would have?	15	quick.
16	A. Well, if it turns out that	16	(Discussion off the record)
17	methylhexaneamine was not a constituent of geranium	17	Q. (By Mr. Marck) Back on the record, when
18	oil, it was not in geranium oil, then the supplement	18	you received the results from the preliminary results
19	industry would have to label their dietary supplements	19	from Dr. Khan and Dr. ElSohly, and you shared them with
20	with methylhexaneamine. They wouldn't be able to label	20	the FDA, what reaction did you expect from the FDA?
21	it as geranium oil. They're only allowed to label it	21	MR. SCOTT: Object as to form, assumes
22	geranium oil if there's actually geranium oil in the	22	facts not in evidence. I don't think you got her at
23	product.	23	the moment saying she shared the results other than
24	Q. After you received the preliminary results	24	what it says in the email. Are you implying she gave
25	that you shared with Dr. Bowers, what reaction were you	25	them something else? I'm not trying to be difficult.
	Page 108		Page 109
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	It's a little confused here.	2	Q. We're just trying to get him to where we
3	MR. MARCK: I hear you, Claude. Let me	3	need to be.
4	rephrase it again.	4	A. Understood.
5	Q. (By Mr. Marck) After you sent that email	5	Q. And review that and let me know if you're
6	to the FDA to Dr. Bowers	6	ready to go.
7	A. Mr. Moore?	7	MR. SCOTT: Exhibit 11?
8	Q. Thank you. Sorry. I'm having a	8	MR. KOONS: Yes.
9	A. So just to be clear, I sent an email to	9	MR. MARCK: Correct.
10	Robert Moore on April 6th, 2011 at 3:,52 and I said,	10	Q. (By Mr. Marck) Are you familiar with the
11	"We have failed to find a shred of evidence to support	11	attached?
	we have funded to find a since of evidence to support		attached
12	methylhexaneamine naturally occurs in geranium oil."	12	A. Yes.
		12 13	
12	methylhexaneamine naturally occurs in geranium oil."		A. Yes.
12 13	methylhexaneamine naturally occurs in geranium oil." And your question is, what do I expect that their	13	A. Yes.Q. What's the title of this article?
12 13 14	methylhexaneamine naturally occurs in geranium oil." And your question is, what do I expect that their reaction would be?	13 14	A. Yes.Q. What's the title of this article?A. "Pelargonium Oil and Methyl Hexaneamine:
12 13 14 15	methylhexaneamine naturally occurs in geranium oil."And your question is, what do I expect that their reaction would be?Q. Correct. What did you expect the FDA's	13 14 15	A. Yes.Q. What's the title of this article?A. "Pelargonium Oil and Methyl Hexaneamine:Analytical Approaches Supporting the Absence of
12 13 14 15 16	methylhexaneamine naturally occurs in geranium oil."And your question is, what do I expect that their reaction would be?Q. Correct. What did you expect the FDA's reaction to be to that email?	13 14 15 16	A. Yes.Q. What's the title of this article?A. "Pelargonium Oil and Methyl Hexaneamine:Analytical Approaches Supporting the Absence ofMethylhexaneamine in Authenticated Pelargonium
12 13 14 15 16 17	methylhexaneamine naturally occurs in geranium oil."And your question is, what do I expect that their reaction would be?Q. Correct. What did you expect the FDA's reaction to be to that email?A. We didn't know.	13 14 15 16 17	 A. Yes. Q. What's the title of this article? A. "Pelargonium Oil and Methyl Hexaneamine: Analytical Approaches Supporting the Absence of Methylhexaneamine in Authenticated Pelargonium Graveolens Plant Material and Oil."
12 13 14 15 16 17 18	methylhexaneamine naturally occurs in geranium oil."And your question is, what do I expect that their reaction would be?Q. Correct. What did you expect the FDA's reaction to be to that email?A. We didn't know.Q. Okay. Fair enough.	13 14 15 16 17 18	 A. Yes. Q. What's the title of this article? A. "Pelargonium Oil and Methyl Hexaneamine: Analytical Approaches Supporting the Absence of Methylhexaneamine in Authenticated Pelargonium Graveolens Plant Material and Oil." Q. Do you know who wrote that title? A. No. Q. What journal was this article printed in?
12 13 14 15 16 17 18 19	 methylhexaneamine naturally occurs in geranium oil." And your question is, what do I expect that their reaction would be? Q. Correct. What did you expect the FDA's reaction to be to that email? A. We didn't know. Q. Okay. Fair enough. MR. MARCK: This is going to be marked 	13 14 15 16 17 18 19 20 21	 A. Yes. Q. What's the title of this article? A. "Pelargonium Oil and Methyl Hexaneamine: Analytical Approaches Supporting the Absence of Methylhexaneamine in Authenticated Pelargonium Graveolens Plant Material and Oil." Q. Do you know who wrote that title? A. No. Q. What journal was this article printed in? A. Journal of Analytical Toxicology.
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12 13 14 15 16 17 18 19 20 21 22	 methylhexaneamine naturally occurs in geranium oil." And your question is, what do I expect that their reaction would be? Q. Correct. What did you expect the FDA's reaction to be to that email? A. We didn't know. Q. Okay. Fair enough. MR. MARCK: This is going to be marked Eichner 11. I think you're familiar with this. (Exhibit 11 was marked) MR. MARCK: GOV 4346. Sorry, that was a 	13 14 15 16 17 18 19 20 21 22 23 24	 A. Yes. Q. What's the title of this article? A. "Pelargonium Oil and Methyl Hexaneamine: Analytical Approaches Supporting the Absence of Methylhexaneamine in Authenticated Pelargonium Graveolens Plant Material and Oil." Q. Do you know who wrote that title? A. No. Q. What journal was this article printed in? A. Journal of Analytical Toxicology. Q. Do you know if this is the journal your co-authors attempted to get this published in? A. I don't remember.
12 13 14 15 16 17 18 19 20 21 22 23	 methylhexaneamine naturally occurs in geranium oil." And your question is, what do I expect that their reaction would be? Q. Correct. What did you expect the FDA's reaction to be to that email? A. We didn't know. Q. Okay. Fair enough. MR. MARCK: This is going to be marked Eichner 11. I think you're familiar with this. (Exhibit 11 was marked) MR. MARCK: GOV 4346. Sorry, that was a typo. It's Government 27840, Claude. It is the 2012 	13 14 15 16 17 18 19 20 21 22 23	 A. Yes. Q. What's the title of this article? A. "Pelargonium Oil and Methyl Hexaneamine: Analytical Approaches Supporting the Absence of Methylhexaneamine in Authenticated Pelargonium Graveolens Plant Material and Oil." Q. Do you know who wrote that title? A. No. Q. What journal was this article printed in? A. Journal of Analytical Toxicology. Q. Do you know if this is the journal your co-authors attempted to get this published in?

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	Page 110		Page 111
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	A. A colleague of ElSohly.	2	MR. MARCK: I'm not going to use those
3	Q. Have you ever met him in person?	3	pages so
4	A. I don't think so.	4	MR. SCOTT: Okay, 854.
5	Q. Have you ever communicated with him	5	MR. MARCK: Correct.
6	directly?	6	MR. SCOTT: So the exhibit is not
7	A. Probably during this time when we were	7	complete?
8	writing the manuscript.	8	MR. MARCK: Are you objecting to it being
9	Q. Do you know what his role was in the	9	not complete?
10	study?	10	MR. SCOTT: I'm asking a question because
11	A. I don't know. I believe he was an	11	I'm not exactly sure what's been marked to go in right
12	analyst.	12	now.
13	Q. And do you know Kareem ElSohly?	13	MR. MARCK: I marked 27840 through 27854.
14	A. No.	14	MR. SCOTT: Okay.
15	Q. Do you know Timothy Murphy?	15	Q. (By Mr. Marck) And you can go ahead and
16	A. I don't know any of the other authors	16	please read the Acknowledgments out loud.
17	aside from I only know Dr. Khan, Mahmoud ElSohly and	17	A. "This project was supported in part by the
18	Dr. Bowers.	18	U.S. Anti-Doping Agency, Colorado Springs, Colorado,
19	Q. Can you please flip to the last page,	19	U.S.A."
20	which is marked GOV 2784. I'm sorry, 27854. Can you	20	Q. Do you know what portion of the funding
21	read the Acknowledgments out loud?	21	was not provided by USADA?
22	MR. SCOTT: 854, okay. I thought you said	22	A. No.
23	"the last page." I'm sorry.	23	Q. And could you please flip to the previous
24	MR. KOONS: That is the last page.	24	page, which is page 14 of the article, Bates stamped
25	MR. SCOTT: The one I've got is 27864.	25	Government 27853. From the Conclusion section, please
	MR. BEOTT. The one ive got is 27004.		Government 27055. From the Conclusion Section, preuse
	Page 112		Page 113
1	Page 112 AMY K. EICHNER, PH.D.	1	Page 113 AMY K. EICHNER, PH.D.
1 2		1 2	
	AMY K. EICHNER, PH.D.		AMY K. EICHNER, PH.D.
2	AMY K. EICHNER, PH.D. read the second sentence beginning with "none of."	2	AMY K. EICHNER, PH.D. A. No.
2 3	AMY K. EICHNER, PH.D. read the second sentence beginning with "none of." A. "None of the analyzed oils or the plant	2 3	AMY K. EICHNER, PH.D.A. No.Q. Do you know where the testing was
2 3 4	AMY K. EICHNER, PH.D. read the second sentence beginning with "none of." A. "None of the analyzed oils or the plant material (young and mature, fresh and dried leaves and stems) showed any detectable level of MHA," less than, in parentheses, (less than 0.1 parts per million by	2 3 4	AMY K. EICHNER, PH.D. A. No. Q. Do you know where the testing was performed?
2 3 4 5	AMY K. EICHNER, PH.D. read the second sentence beginning with "none of." A. "None of the analyzed oils or the plant material (young and mature, fresh and dried leaves and stems) showed any detectable level of MHA," less than,	2 3 4 5	AMY K. EICHNER, PH.D. A. No. Q. Do you know where the testing was performed? A. As far as I am aware, it was all performed
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2 3 4 5 6 7 8	AMY K. EICHNER, PH.D. read the second sentence beginning with "none of." A. "None of the analyzed oils or the plant material (young and mature, fresh and dried leaves and stems) showed any detectable level of MHA," less than, in parentheses, (less than 0.1 parts per million by GC-MS, less than 2.5 parts per billion by LC-MS-MS and 10 parts per billion by the high resolution	2 3 4 5 6 7 8	AMY K. EICHNER, PH.D. A. No. Q. Do you know where the testing was performed? A. As far as I am aware, it was all performed at Ole Miss at the PSI, but I don't know. Q. Did you ever visit PSI or Dr. Khan or ElSohly's labs while the study was being conducted?
2 3 4 5 7 8 9	AMY K. EICHNER, PH.D. read the second sentence beginning with "none of." A. "None of the analyzed oils or the plant material (young and mature, fresh and dried leaves and stems) showed any detectable level of MHA," less than, in parentheses, (less than 0.1 parts per million by GC-MS, less than 2.5 parts per billion by LC-MS-MS and 10 parts per billion by the high resolution LC-QTOF-MS)."	2 3 4 5 7 8 9	AMY K. EICHNER, PH.D. A. No. Q. Do you know where the testing was performed? A. As far as I am aware, it was all performed at Ole Miss at the PSI, but I don't know. Q. Did you ever visit PSI or Dr. Khan or ElSohly's labs while the study was being conducted? A. No.
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	Page 114		Page 115
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	MR. MARCK: Claude, these are marked	2	don't
3	ElSohly 4318.	3	Q. Remember it now?
4	Q. (By Mr. Marck) Can you flip to page 3,	4	A. I just don't know labs very well.
5	which is marked ElSohly 4320?	5	Q. Okay. Let's move up to your responsive
6	A. Yes.	6	email, which I think begins on the middle of page 3,
7	Q. And there's an email at the bottom of the	7	ElSohly 4320. Was this email sent by you?
8	page and was this email sent by you? Sorry, sent to	8	A. Yes, on Friday May 27th at 2011 to Ed
9	you?	9	Wyszumiala and Lori Bestervelt.
10	A. Yes, from Ed Wyszumiala on May 27, 2011.	10	Q. And you state a line, or you wrote, excuse
11	Q. And it continues onto the fourth page.	11	me, "If you say something enough, lies become the
12	There's a sentence starting with "FYI." Can you please	12	truth." What lies are you referring to?
13	read that into the record?	13	A. Well, at that time because we couldn't
14	A. "AHPA mentioned to me that they talked	14	find any evidence that methylhexaneamine was in
15	with a lab that tested geranium and found	15	geranium oil and in our view the Ping paper was
16	methylhexaneamine in it."	16	invalidated and dietary supplements companies continued
17	Q. And what is AHPA again?	17	to refer to the Ping paper, at least on websites and in
18	A. That must be the American Herbal Products	18	blogs as valid data for the presence of
19	Association, one of the trade associations.	19	methylhexaneamine in geranium oil, that was the
20	Q. Do you know the lab that Edward was	20	misinformation that I was referring to.
21	referring to?	21	Q. Is it fair to say that your first reaction
22	A. No.	22	to being informed of a lab finding results contrary to
23	Q. Do you know it now?	23	the ones that you and Dr. ElSohly had reached, that you
24	A. No. Well, no. In follow-up emails if it	24	would think that they were lies?
25	was disclosed to me, that's a possibility, but I just	25	MR. KOONS: Objection, form.
	Page 116		Page 117
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	MR. SCOTT: Object as to form.	2	your reputation might be a critical factor here.
3	THE WITNESS: No. That was not my	3	Q. What did you mean by "rule on this once
4	reaction.	4	and for all, banning DMAA?
5	Q. (By Mr. Marck) So you weren't referring to	5	A. No, providing clarity on, A, whether
6	the study that was being discussed in the prior email	6	methylhexaneamine is in geranium oil, and, B, whether
7	when you said that?	7	it is a legitimate dietary ingredient.
8	A. So my concern was if there is a report of	8	Q. You also said, "I don't want the trade
9	methylhexaneamine in geranium oil, that we need to	9	associations writing the rules here." Which trade
10	follow that up and we need to find out who it was, who	10	associations are you referring to?
11	did the work, we need to see the data and we need to	11	A. Any trade association. And I have that
12	see if we can replicate it.	12	view because the trade associations don't necessarily
13	Q. Can we flip to page 2, which is marked	13	have consumers' best interest at heart because that's
14	ElSohly 4319, and the email in the middle of the page	14	not their job. That's the FDA's job.
15	from yourself to Dr. Khan on May 27, 2011; is that	15	Q. You also speak about the importance and
16	correct?	16	implications of our paper. Strike that. I think we've
17	A. Yes.	17	already discussed it enough. This email was sent on
18	Q. Do you have any reason to believe this	18	May 27th, 2011, correct?
19	email is not	19	A. Yes.
20	A. No.	20	Q. Were the results of the study finalized by
21	Q genuine. We've already discussed what	21	that point in time?
22	AHPA is. Please read the second paragraph beginning	22	A. I don't remember.
23 24	with, "I think."	23 24	Q. Please flip to page 1. There's an email
24 25	A. "I think we're going to have to really lobby the FDA to rule on this once and for all, and	24	at the bottom of the page from Dr. ElSohly sent to you, correct?
25	lobby the FDA to full on this once and for all, and		

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	Page 118		Page 119
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	A. Yes, on May 27th, 2011.	2	A. Yes.
3	Q. Thank you. Do you remember this email?	3	Q. And he does say that these samples do
4	A. Not in particular.	4	contain low levels of DMAA, correct?
5	Q. It continues over onto page 2, and please	5	A. Yes.
6	read the sentence beginning with, quote, "The LC/MS/MS	6	Q. Were these findings reflected in the
7	method."	7	resulting paper?
8	A. "The LC/MS/MS method is 1000 times more	8	A. I don't remember.
9	sensitive than the GC/MS method."	9	Q. Do you have any idea whether these
10	Q. Continue?	10	findings were reflected in the supplemental materials
11	A. "We analyzed the samples you just sent to	11	for the paper?
12	me by the LC/MS/MS method and they do continue low	12	A. I don't know.
13	levels of DMP in the nanogram per mL range."	13	MR. MARCK: Sorry, Claude, did you have an
14	Q. Now, which samples had you sent?	14	objection?
15	A. I don't remember, but perhaps those are	15	MR. SCOTT: Yes, as to form.
16	commercially available samples. I just don't know.	16	Q. (By Mr. Marck) This detection of DMAA
17	Q. Now, does this indicate that DMAA was	17	arose after you had emailed Dr. Moore at the FDA on
18	detected during the study?	18	April 6th and told him that the study had failed to
19	A. I don't know. That would require the	19	detect DMAA. How long did it take you to share these
20	expertise of Dr. ElSohly or Dr. Khan.	20	results with the FDA?
21	Q. But the statement they do contain low	21	A. I don't know.
22	levels of DMP, do you understand Dr. ElSohly to be	22	Q. Did you share these results with the FDA?
23	referring to DMAA?	23	A. I don't remember.
24	A. Yes.	24	Q. Besides Dr. Moore, is there anyone else at
25	Q. When you're saying that?	25	the FDA that you would have been in contact with during
	Page 120		Page 121
1			
	AMVK EICHNED DHD	1	AMV K FICHNED DH D
	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	this period of time?	1 2 3	mass spec data is Greek to me, I just formed no part of
2	this period of time? A. Possibly, but if he was my primary person	2	mass spec data is Greek to me, I just formed no part of the analysis.
2 3	this period of time?A. Possibly, but if he was my primary personthat I was communicating with at the time, I probably	2 3	mass spec data is Greek to me, I just formed no part of the analysis.Q. Can you move to the email at the top of
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	Page 122		Page 123
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
² not	a good person to ask	2	that Dr. ElSohly was referring to were above or below
3	Q. That's fine.	3	that level?
4	A about these types of questions, but	4	A. I don't recall and I wasn't a part of the
⁵ wh	at would you like me to look at?	5	analysis.
6	Q. Flip to the Conclusion on page 14 of what	6	MR. MARCK: I think right now is a perfect
7 is H	Eichner 11.	7	time to take a lunch break.
8	A. Okay.	8	(Break)
9	Q. And the part that I had you read last	9	Q. (By Mr. Marck) I'm going to mark exhibit
10 tim	e, could you read that where it starts with, "showed	10	Eichner 13.
¹¹ any	y detectable level of MHA"?	11	(Exhibit 13 was marked).
12	A. The whole sentence or would you just like	12	Q. (By Mr. Marck) Please review that.
¹³ me	to read the	13	MR. SCOTT: What is the document number?
14	Q. Do the whole sentence for the record.	14	MR. MARCK: ElSohly 4330.
15	A. Okay. "None of the analyzed oils or the	15	MR. SCOTT: Okay. Thank you.
•	nt material (young and mature, fresh and dried	16	THE WITNESS: Okay.
	ves and stems) showed any detectable level MHA (less	17	Q. (By Mr. Marck) All right. Can you please
	n 0.1 part per million by GC-MS, less than 2.5 parts	18	focus on the email that's at the beginning, middle of
-	billion by LC-MS-MS and 10 parts per billion by the	19	the top of page 1? It's actually the second email
-	th resolution LC-QTOF)."	20	down. Do you know, can you tell me who sent that?
21	Q. Thank you. You can put that back to the	21	A. Dr. Bowers to Dr. ElSohly.
	e. But do you agree that for the LC-MS-MS method,	22 23	Q. Sorry, I mean the second one down from the
²³ the	limited section was 2.5 parts per billion?	23	top, the one that starts
25	A. 2.5 parts per billion by LC-MS-MS, yes.Q. Do you have any idea if the test results	25	A. Oh, yes, from Dr. ElSohly to Dr. Bowers and myself and Ikhlas Khan and Waseem Gul on June 1st,
	Q. Do you have any luca if the test results		and mysen and ikinas khan and waseem Our on June 1st,
	Page 124		Page 125
1			
-	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
² 201	AMY K. EICHNER, PH.D. 11.	1 2	AMY K. EICHNER, PH.D. geraniums or
² 201	11.	2	geraniums or
2 201 3 4	 Do you remember this email? 	2 3	geraniums orA. That's always cleaner, but science is notalways clean. Our primary concern was being accurate.Q. And I think you testified before, but
2 201 3 4 5 this 6	 Do you remember this email? A. I don't have any particular memories of s particular one. Q. And in this email, Dr. ElSohly is 	2 3 4 5 6	 geraniums or A. That's always cleaner, but science is not always clean. Our primary concern was being accurate. Q. And I think you testified before, but correct me if I'm wrong, that when it came to the
 2 201 3 4 5 this 6 7 disc 	 11. Q. Do you remember this email? A. I don't have any particular memories of s particular one. Q. And in this email, Dr. ElSohly is cussing the limited detection regarding the LC-MS-MS 	2 3 4 5 6 7	 geraniums or A. That's always cleaner, but science is not always clean. Our primary concern was being accurate. Q. And I think you testified before, but correct me if I'm wrong, that when it came to the limited detection, you defer to Drs. Bowers, ElSohly
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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	dietary supplementary law, if an ingredient was	2	or communicated with him?
3	approved as a drug, then it remains a drug throughout	3	A. I believe there are some emails back and
4	its lifetime unless some other process takes place that	4	forth between the two of us and it could have related
5	establishes it as something else.	5	to geranium oil, although I don't recall.
6	Q. What type of process?	6	Q. Okay. I'm going to mark as 15 ElSohly
7	A. Such as a new dietary ingredient	7	4163.
8	notification. I'm assuming that but my	8	(Exhibit 15 was marked)
9	understanding is that there are some compounds that are	9	Q. (By Mr. Marck) Could you please focus on
10	available in drugs and they're sold as drugs, but they	10	the email at the bottom of page 1 that is sent by James
11	can also be sold as other categories. For example,	11	Neal-Kababick?
12	green tea. There is a product on the market, which	12	A. Yes.
13	green tea is the primary ingredient and it is a drug,	13	Q. Who is that sent to?
14	but it is also a supplement and it is also a food.	14	A. It appears that it was sent to himself, so
15	Q. Okay. We can move off of this one. Do	15	he must have had some kind of a Listserv.
16	you know who James Neal-Kababick is?	16	Q. And do you know if you were bcc'd or part
17	A. Yes, only from afar.	17	of that Listserv for that email?
18	Q. Elaborate, please.	18	A. I don't believe I was.
19	A. I'm aware of him and I've met him before	19	Q. And can you see the email directly above
20	at conferences and he, I believe, has his own research	20	that?
21	lab.	21	A. Yes, that was from Dr. Khan to Dr. ElSohly
22	Q. Did he ever work for FDA, do you know?	22	and myself on January 10th. And so from this chain, I
23	A. I don't know.	23	would conclude that Ikhlas forwarded that to me.
24	Q. What is your relationship with him or	24	Q. Can you read just the Dr. Khan statement?
25	interactions with him? Have you ever emailed with him	25	A. "FYI, looks like geranium will be part of
	Page 128		Page 129
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	a discussion on Dateline while our manuscript's still	2	was, to quote, "DOH." I think that's the Homer Simpson
3	waiting to be submitted."	3	phraseology if I know pop culture.
4	Q. How would your paper be impacted by the	4	A. Well done.
5	fact that it would be published after NBC aired a	5	Q. Why that reaction?
6	special about dietary supplements?	6	A. I don't know. I just probably thought it
7	A. It wouldn't be impacted in my view.	7	was a goofy thing to say.
8	Q. Do you know anyone who was involved in	8	Q. But you didn't really feel like the fact
9	this NBC special? Do you know anything about it?	9	that your paper was making it to publication after this
10	A. Well, as I said before, I'm aware and I	10	other
11	sort of know Dr. Kababick. I know Dr. Pieter Cohen. I	11	A. No, my primary concern were the items that
12	haven't the pleasure of meeting Dr. Oz.	12	I listed, 1 through 4, and it didn't really mean that
13	Q. Neither have I. Do you have any idea if	13	much to me.
14	anyone at USADA was involved?	14	Q. You can put this one to the side, too.
15	A. I don't think we were involved. I would	15	(Exhibit 16 was marked)
16	be surprised if we were involved because I would have	16	Q. (By Mr. Marck) Can you look at the email
17	heard about it. Certainly this wouldn't have been a	17	all the way at the bottom of page 1 dated February 9th.
18 19	surprise, the Dr. Oz Show.	18 19	You wrote that
19 20	Q. And the email at the top, you sent that,	20	A. Yes, I did.
20	correct?	20	Q. And do you know see again another one
21	A. Yes, to Dr. Khan and Dr. ElSohly and	21	of these emails that is lacking a full header. Can you tall who you depend at ta?
22	Waseem Gul on January 10th, 2012.	22	tell who you drafted it to?
23	Q. And obviously that was in response to Dr.	23	A. Well, Mahmoud was addressed, Dr. ElSohly.
25	Khan sending you the email saying that the paper would be published after the Dateline special. Your reaction	25	Q. Gotcha. Can you read that entire email aloud? It's only a line and a half.
-	be published after the Datennie special. I but reaction	-	uroua. It somy a mic and a fian.

	Page 130		Page 131
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	A. "Hi Mahmoud, did we test Auricacia or	2	with his dad, but don't quote me. I'm sure the
3	Plant Life brands of geranium oil for the paper? These	3	business structure is documented somewhere.
4	are the brands that Catlin tested and says he found	4	Q. That's fine. Do you know where it's
5	MHA."	5	located?
6	Q. And it goes onto the next page, one line.	6	A. I don't recall.
7	A. Oh. "Also, do you object if we share the	7	Q. Maybe even the state. If you don't know,
8	submitted draft with the FDA?"	8	that's fine?
9	Q. Thank you. What prompted these questions	9	A. I just don't.
10	from you to Dr. Khan, excuse me, Dr. ElSohly?	10	Q. Okay. And have you ever met with Oliver
11	A. So all of our Catlin has a supplement	11	or was your correspondence with him by email,
12	testing company.	12	telephone?
13	Q. His first name is Oliver?	13	A. At this time it was only by email and/or
14	A. Uh-huh (affirmative). And it's called	14	telephone. I subsequently have met him.
15	Banned Substance Control Group, BSCG, and I've had	15	Q. What prompted his email to you to indicate
16	communications with him on and off over the years about	16	that he had found DMAA in certain oils?
17	various dietary supplements topics and he disclosed to	17	A. We were communicating on a variety of
18	me that he detected methylhexaneamine in some geranium	18	other topics, so at the time, USADA was developing our
19	oils.	19	position on third party supplement certifiers, how we
20	Q. Going back just to your relationship	20	were going to educate athletes. As he has one of those
21	between the two of you and even before that, you said	21	companies, we wanted to learn about what his company
22	BSCG is the initials, right?	22	did, and he was interested in our process for
23	A. Correct.	23	evaluating those.
24	Q. Is it a private lab?	24	He also had some questions about various
25	A. I think it's private. I think he owns it	25	prohibited substances and we would go back and forth
	The Fulling it's private. Fulling he owns it		promoted substances and we would go bler and form
	Page 132		Page 133
			5
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
1 2	AMY K. EICHNER, PH.D. and discuss those.	1 2	
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2 3	and discuss those. Q. Did he ever become a USADA certified	2 3	AMY K. EICHNER, PH.D. THE WITNESS: There was no rush. We just share information. So another example during the same
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1		1	
2	AMY K. EICHNER, PH.D. to?	2	AMY K. EICHNER, PH.D. where DMAA was discussed regardless of the presence of
3	A. He sent it to me, Dr. Khan, Waseem Gul and	3	other people?
4	Dr. Bowers on February 9th, 2012.	4	A. Probably only one or two.
5	Q. What is the SNIP conference he's referring	5	Q. Do you remember which conferences they
6	to, S-N-I-P?	6	were at or
7	A. I don't know.	7	A. So I remember going to Ole Miss, but I
8	Q. I think we talked about this before, but	8	don't remember if I was on a panel or whether I
9	how many conferences have you presented at with Dr.	9	presented like my own deal. I've been to, you know, a
10	Khan?	10	number of athletic educational things that were put on
11	A. With Dr. Khan where he was on a panel with	11	by various boards and I would have been on panels with
12	me? Or where he was present? Or where he was running	12	coaches and medical professionals or, you know, other
13	the show?	13	things to educate athletes.
14	Q. Let's break it down. Any conferences that	14	Q. Okay. And we'll move to the email that
15	he was the organizer?	15	Dr. Bowers sent directly above that. It's another one
16	A. I think I've presented at two Ole Miss	16	of our very fun missing the header. It seems to be
17	conferences.	17	sent to you; is that correct?
18	Q. And you have appeared with him on panels,	18	A. Well, it's certainly addressed to me, yes.
19	not that he had organized overall, but even aside from	19	Q. Do you happen to know what he's referring
20	Ole Miss?	20	to when he says "corrected draft"?
21	A. Possibly, but I don't, I just don't	21	A. Well, in the process of creating
22	remember. I would have to look back through all of my	22	manuscripts, you have notes and comments and errors
23	presentations. It's certainly possible that I was on a	23	that other people pick up. Are you sure this is right?
24	panel with him at some point.	24	This is a better word. So that whole process of
25	Q. Do you know how many panels you've been on	25	revising the draft, you know, ultimately you make a
	Page 136		Page 137
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	collective decision and then you come up with a	2	Q nearly a year after the testing was
3	corrected draft.	3	done by Dr. Khan and Dr. ElSohly. Is that a normal
4	Q. That means final draft in your mind?	4	amount of time in your experience?
5	A. Probably. So if we have a corrected draft	5	MR. SCOTT: Object as to form.
6	that we stand behind that this is our best effort at	6	THE WITNESS: Well, let's see, 2012 and
7	accurate information and it's ready to submit, then	7	then, you know, it's not unusual, if you look at my
8	corrected draft might be pointing to that. I just	8	thesis papers.
9	don't know in this instance.	9	Q. (By Mr. Marck) I just want to get your
10	Q. So but it's safe to say the draft article	10	input. I wasn't sure; that's why I asked. You can put
11	was still being edited in February 2012?	11	that one to the side.
12	A. Let me have a look here. Okay. So what	12	Do you know what an FDA warning letter is?
13	Larry wanted to do, he says, "Once the final draft is	13	A. Yes.
14	submitted and accepted, I have no problem sharing it	14	Q. Can you describe to me what your
15	with anyone." Because once it's submitted and	15	understanding of that is?
16	accepted, it's gone through peer review and it's gone	16	A. My understanding is that an FDA warning
17	through scrutiny sufficiently that any errors can be	17	letter is something that is sent to a dietary
18	corrected, we know it's right. So we didn't want to	18	supplements company because they failed to comply with
19	so Larry didn't want to at that time, send something	19	a variety of regulations. And if I'm not mistaken, not
20	that we weren't 100 percent certain that we could stand	20	all warning letters are made public and not every
21	behind.	21	enforcement action involves a warning letter.
22	Q. Okay. But so at least at this point in	22	Q. I'm going to mark Eichner 17.
23	time where the article is still being edited in	23	(Exhibit 17 was marked).
24	February 2012, which is	24	Q. (By Mr. Marck) It is Ole Miss document
		0.5	
25	A. Appears so.	25	1000, sorry, 10886. Let me know when you've had a

	Page 138	Page 139
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
2	chance.	² 0001191-1 and now turning to the document in front of
3	A. I've had a chance.	³ you, Miss Eichner, the email at the bottom of the page
4	Q. Can we focus on the email from Dr. Khan on	⁴ from Ikhlas Khan, is that sent to you?
5	page 1? Who is that to?	⁵ A. It is on April 27, 2012.
6	A. To me.	⁶ Q. What does this email describe?
7	Q. And the date?	⁷ A. What does it describe? Dr. Khan sent to
8	A. April 27, 2012.	⁸ me the FDA news release of warning letters that were
9	MR. SCOTT: What's the number for this one	⁹ sent to dietary supplements companies selling
10	again?	¹⁰ methylhexaneamine for geranium extract.
11	MR. MARCK: Ole Miss 10886.	¹¹ Q. Were you involved in drafting any of these
12	MR. SCOTT: Okay. 886 or 866?	¹² DMAA warning letters?
13	MR. MARCK: 10886. I may have sent you a	¹³ A. No.
14	typo because the typo is in my outline.	¹⁴ Q. Do you know who was?
15	MR. SCOTT: I don't have that one in front	¹⁵ A. No.
16	of me.	¹⁶ Q. Do you know if anybody at USADA was?
17	MR. MARCK: That's okay. We'll give you a	¹⁷ A. No.
18	minute to find it. Just give us a chat when you have	¹⁸ Q. Do you know how those letters are
19	your copy. Let's go off the record.	¹⁹ typically drafted, what the FDA process is for that?
20	(Discussion off the record).	²⁰ A. No.
21	MR. MARCK: We just marked Eichner Exhibit	²¹ Q. Focus on the email back at the top. Who
22	Number 17, counsel for the government has indicated	²² sent it?
23	they do not have a full copy of that exact same Bates	A. The very top?
24	stamped version that we have. Counsel for Dr. Eichner	²⁴ Q. Yes, please.
25	mailed him a similar version, which is marked AE	A. Mine. I sent it in response to Dr. Khan's
	Page 140	Deres 141
	rage 140	Page 141
1		
1 2	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.
	AMY K. EICHNER, PH.D. on April 27th, 2012.	 AMY K. EICHNER, PH.D. ² doesn't have a huge impact, this series. It's just
2	AMY K. EICHNER, PH.D. on April 27th, 2012. Q. What was your comment back to him?	 AMY K. EICHNER, PH.D. doesn't have a huge impact, this series. It's just clarity for us that at this time, the FDA didn't
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	Page 142		Page 143
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	A. Yes, I know who he is. He leads up he	2	second line down.
3	has a little magazine called Herbalgram and he's	3	A. Thank you. "Trace levels of the stimulant
4	another botanical expert in the U.S.	4	were detected in only 2 geranium products, with the
5	Q. You described it as a magazine. Is it	5	concentrations lower than 10 parts per million."
6	published every month?	6	Q. Continue.
7	A. You know what, I don't know very much	7	A. "The two geranium oils contained a very
8	about Herbalgram.	8	small amount of DMAA with 7 milligram per kilogram in
9	Q. Have you ever read an issue of it?	9	one and 3 milligram per kilogram in the other."
10	A. Not a whole issue, but I've seen articles	10	Q. Do you know what study or results this
11	from there, but they normally don't really pertain to	11	email is referring to?
12	my work, so I just	12	A. Well, if I scan down to the lower part of
13	Q. Okay. And what sorry, I didn't mean to	13	the exhibit, it appears that it is from a paper by
14	cut you off. What's the extent of your relationship	14	I'm looking for the name, Armstrong, et al.
15	with Mr. Blumenthal? I mean, have you ever	15	Q. Were you aware of this finding, of Dr.
16	communicated with him?	16	Armstrong's finding?
17	A. Yes, I've emailed him before and I've seen	17	A. Yes, at some point.
18	him at conferences a handful of times.	18	MR. SCOTT: Form.
19	Q. And ever communicated with him on the	19	THE WITNESS: At some point, I did become
20	telephone?	20	aware of his study.
21	A. Uh-huh (affirmative).	21	Q. (By Mr. Marck) Okay. Do you know what
22	Q. And when we flip to page 2, can you read	22	point you became aware?
23	the sentence beginning with "trace levels"?	23	A. This might have been the earliest
24	A. I will when I find it.	24	communication especially since it appears it was
25	Q. Right up at the top and should be the	25	embargoed at this time, which normally happens, you
	Page 144		Page 145
1	Page 144	1	Page 145
1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	AMY K. EICHNER, PH.D. know, when the paper hasn't been formally published	2	AMY K. EICHNER, PH.D. Q. Okay. You can put this one to the side.
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2	AMY K. EICHNER, PH.D. know, when the paper hasn't been formally published yet. Q. Turn to the email at the top of the page	2 3 4	AMY K. EICHNER, PH.D. Q. Okay. You can put this one to the side. A. Actually, I'm just trying to work out, where is this produced? Was I a recipient of this
2 3 4	AMY K. EICHNER, PH.D. know, when the paper hasn't been formally published yet. Q. Turn to the email at the top of the page 1. The sender is Mark Blumenthal, correct?	2 3	AMY K. EICHNER, PH.D. Q. Okay. You can put this one to the side. A. Actually, I'm just trying to work out, where is this produced? Was I a recipient of this through a Listserv of some type?
2 3 4 5	AMY K. EICHNER, PH.D. know, when the paper hasn't been formally published yet. Q. Turn to the email at the top of the page 1. The sender is Mark Blumenthal, correct? A. Yes.	2 3 4 5	AMY K. EICHNER, PH.D. Q. Okay. You can put this one to the side. A. Actually, I'm just trying to work out, where is this produced? Was I a recipient of this through a Listserv of some type? MR. KOONS: Production.
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 AMY K. EICHNER, PH.D. know, when the paper hasn't been formally published yet. Q. Turn to the email at the top of the page 1. The sender is Mark Blumenthal, correct? A. Yes. Q. And it's directed to Elaine Watson with a cc to Tyler Smith, James Neal-Kababick, Anthony Almada, Dr. Khan and Steven Foster. Do you know who Tyler Smith is? A. No. Q. Do you know who Anthony Almada is? A. Yes. Q. Who is he? A. All I know is that he has a supplement company. Q. Do you know what company? A. I think. No or maybe he brought an ingredient to the market like maybe some kind of creatine. I don't know. He's in the industry. That's all I know. 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 AMY K. EICHNER, PH.D. Q. Okay. You can put this one to the side. A. Actually, I'm just trying to work out, where is this produced? Was I a recipient of this through a Listserv of some type? MR. KOONS: Production. Q. This is Ole Miss production. A. All right. So earlier when I said I became aware and this may have been the earliest time point, I was assuming that I was on this, but as I'm not, I can't give you a time estimate of when I became aware of study. Q. That's fine. I'm going to mark 19. (Exhibit 19 was marked) THE WITNESS: Is it important that those are commercial oils? MR. KOONS: Bring that up if you want. MR. MARCK: We'll talk about things, but let's keep on going the way I want to go. Claude, this is ElSohly 2181. Q. (By Mr. Marck) Just let me know when
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	Page 146		Page 147
1		1	
1 2	AMY K. EICHNER, PH.D.	2	AMY K. EICHNER, PH.D.
3	University of Mississippi in this action. And my	3	it was forwarded to me and Patti Deuster.
4	understanding of the Protective Order, subject to	4	Q. I think we already discussed this, but you
5	confirmation is, this document is not to be shared with	5	aren't familiar with who Elaine Watson is?
6	people who are not qualified under the Protective Order	6	A. No.
7	and/or who weren't on a particular document and therefore had access to it at the time. It does not	7	Q. Can we please flip to page 5 of the
8		8	exhibit, which is marked as 2185. Now, I guess before
9	appear that she is on the document and I'm not, don't	9	we talk about it in detail, do you have any reason to believe that this is not the attachment to these cover
10	believe she qualifies under the Protective Order, so I	10	emails that come before it?
11	object to the use of this document and testimony based on that basis.	11	
12		12	MR. SCOTT: Object as to form. THE WITNESS: No, I don't have any reason.
13	MR. MARCK: All right. Duly noted. THE WITNESS: Okay.	13	-
14	Q. (By Mr. Marck) Can we please focus on the	14	Q. (By Mr. Marck) Do you see on the cover
15	email midway down on page 2. Who sent this email?	15	email on the first page of this exhibit, it lists as one of the attachments DTA-Embargoed?
16	A. At the top or the down?	16	A. May 30, 2012, yes, I see that.
17	Q. Midway down, yeah.	17	Q. Can you tell me the name of this article?
18	A. From Elaine Watson.	18	A. Hold on one second. I'm just reviewing
19	Q. And who is that directed to?	19	something else. Okay. The title is
20	A. Ed Wyszumiala from the NSF.	20	"1,3-Dimethylamylamine DMAA in Supplements Geranium
21	Q. What date was it sent on?	21	Plants/Products: Natural Or Synthetic?
22	A. May 22nd, 2012.	22	Q. Who are the authors?
23	Q. And have you ever seen this email?	23	A. Zhang, Woods and Armstrong.
24	A. Well, it looks like it was forwarded to	24	Q. Do you know any of them?
25	Lori Bestervelt and John Travis and then it looks like	25	A. No.
	Lon Desterven and John Travis and them it looks like		A. 110.
	Page 148		Page 149
1	Page 148 AMY K. EICHNER, PH.D.	1	Page 149 AMY K. EICHNER, PH.D.
1 2	2	1 2	_
	AMY K. EICHNER, PH.D.		AMY K. EICHNER, PH.D.
2	AMY K. EICHNER, PH.D. Q. Are you familiar with this article?	2	AMY K. EICHNER, PH.D. A. I don't remember. Possibly. It's
2 3	AMY K. EICHNER, PH.D. Q. Are you familiar with this article? A. I am familiar with it.	2 3	AMY K. EICHNER, PH.D. A. I don't remember. Possibly. It's possible that if someone else had an awareness of this,
2 3 4	AMY K. EICHNER, PH.D. Q. Are you familiar with this article? A. I am familiar with it. Q. Can you read me look at the date	2 3 4	AMY K. EICHNER, PH.D. A. I don't remember. Possibly. It's possible that if someone else had an awareness of this, that he was working on this and told me,
2 3 4 5	AMY K. EICHNER, PH.D. Q. Are you familiar with this article? A. I am familiar with it. Q. Can you read me look at the date headers at the top underneath where it says "Research	2 3 4 5	AMY K. EICHNER, PH.D. A. I don't remember. Possibly. It's possible that if someone else had an awareness of this, that he was working on this and told me, then
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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	sure we were all on the same page about something.	2	The one thing I will say is if, you know,
3	What was your reaction to seeing this embargoed paper,	3	we continue to have concerns about working on
4	do you remember?	4	commercially prepared oils and so I don't know from his
5	A. Well, I was probably very pleased that	5	study and I just haven't evaluated it enough to know
6	someone else thought this was important enough to	6	very clearly whether he got his own or whether he did
7	research.	7	commercially available. It appears here in Table 1
8	Q. Did you find it strange that they had	8	that he may have done his own extractions.
9	detected trace amounts of DMAA in two of their	9	Q. Do you consider these results, especially
10	products?	10	that last line you just read, to be inconsistent with
11	MR. KOONS: I'm going to object as vague	11	the results of your study along with Dr. ElSohly and
12	and ambiguous as the term of art.	12	Khan?
13	Q. (By Mr. Marck) I'm just using the word	13	A. Well, it's hard to say because it really
14	they used in be abstract, so if I knew more, I would	14	depends on the methodology that they used. We could
15	A. I wouldn't characterize my reaction as	15 16	only say and base any conclusions based on what we had
16 17	surprised or really that strong of a reaction either	17	and what we saw, our instrumentation, our limits,
18	way.	18	limits of detection, so it's always possible that other
19	Q. Did you A. I	19	organizations can have different results.
20		20	Q. Who is Zachary Breitbach? Does that ring a bell?
21	Q. Go ahead.A. Yeah, let me walk you through this. So	21	A. Doesn't ring a bell. Where do you see
22	for me, I am not a chemist or an aspect person, as I	22	that name?
23	mentioned before, so analyzing the quality of the	23	Q. Not here, but we'll get to it. Did you
24	research or the results, that's not my forte, that's,	24	share this version of like this article that was
25	you know, that's hard for me to do that in this case.	25	attached to these emails with anyone else at the FDA?
	you know, that's hard for me to do that in this case.		attached to these chains with anyone cise at the 1 DTY.
	Page 152		Page 153
1	Page 152	1	Page 153
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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	Q. Can you read for me the dates at the	2	part of that seems to be your term regarding what the
3	header of this article?	3	number represents and with a question following with
4		4	that being assumed as part of the question, which is
5	A. "Received March 20th, 2012; Revised April 6, 2012; Accepted April 9th, 2012."	5	improper in many ways, so object to the form of the
6	· ·	6	
7	Q. Are those the same dates as the version I	7	question.
8	showed you as a previous exhibit?	8	MR. MARCK: Understood, and I appreciate
	A. Yes.	9	that, Claude.
9	Q. And underneath that, it says, "Drug		Q. (By Mr. Marck) After the letters D-O-I, do
10	testing www.DrugTestingAnaylsis.com and has a DOI	10	the numbers match up between this exhibit and the
11	number. Do you know what a DOI number is?	11	previous one?
12	A. Department of Information.	12	A. Yes.
13	MR. KOONS: Where are you? Oh, I see.	13	Q. Thank you. Is it safe to say that the
14	Thank you.	14	finding that DMAA was detected in two samples is not
15	THE WITNESS: I don't know.	15	present in this version of the article?
16	Q. (By Mr. Marck) I'll tell you that DOI	16	MR. SCOTT: Object as to form. Are you
17	number is a number they use to classify research,	17	asking her to read the entire article and tell you that
18	almost think about it like a more complicated version	18	or just out of the first portion there.
19	of	19	Q. (By Mr. Marck) Out of the abstract.
20	MR. KOONS: Dewey Decimal?	20	A. Well, I can tell you that in the second
21	MR. MARCK: Thank you. Blanked out on	21	article that you presented, I can read that sentence to
22	that part, but you knew where I was going.	22	you, but I am not in a position to draw any conclusions
23	Q. (By Mr. Marck) Do the numbers match up	23	for you on this article. But I'll read it anyway. "No
24	between this exhibit and that one?	24	DMAA was detected in any of the 8 geranium products
25	MR. SCOTT: Let me object to form because	25	with a limit of detection of 10 parts per billion."
	Page 156		Page 157
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	Page 158		Page 159
1		1	
1 2	AMY K. EICHNER, PH.D.	1 2	AMY K. EICHNER, PH.D.
∠ 3	(Exhibit 21 was marked)	3	A. I don't know. I don't remember.
4	MR. MARCK: Claude, this is USADA 2303.	4	Q. Do you know if anyone at NSF did any
5	Do you need A minute to find that?	5	additional testing to verify Dr. Armstrong's findings?
6	MR. SCOTT: Okay. Give me a minute. MR. MARCK: Off the record.	6	A. I have a feeling that they were conducting some research on their own on various oils and I don't
7	(Discussion off the record)	7	recall whether there were outcomes from those
8	Q. (By Mr. Marck) The email midway on the	8	
9	first page sent by John Travis, do you know who that	9	particular tests or whether they were sent to us. I don't remember.
10	was addressed to?	10	Q. Okay.
11	A. Don't recognize the email address, but	11	A. But if they were, they should be in all
12	it's addressed to Dr. Armstrong.	12	the records that were provided.
13	Q. It seems that this email was then	13	Q. You can put this one to the side.
14	forwarded to you by John Travis; is that correct?	14	Q. I'm going to mark Eichner 22.
15	A. Yes.	15	(Exhibit 22 was marked)
16	Q. Who else was copied on that?	16	Q. (By Mr. Marck) Who's Paul Greene?
17		17	A. Good question. I don't know. Clearly I
18	A. Ed Wyszumiala and Lori Bestervelt.Q. When did that occur?	18	must have talked to this person and clearly this person
19	A. May 24th, 2012.	19	is familiar with Dr. Armstrong. That's all I recall.
20	Q. In addition to Mr. Travis's communications	20	Q. Do you remember the conversation alluded
21	with Dr. Armstrong, do you know if he had any further	21	to here?
22	communication with Dr. Armstrong?	22	A. No.
23	A. I don't know.	23	Q. Do you know what report he's referring to?
24	Q. Do you know if Dr. Armstrong sent the oil	24	A. He only calls it "Dr. Armstrong Report
25	lot numbers that were requested?	25	Complete With CV."
	ist numbers that were requested.		
		1	
	Page 160		Page 161
1		1	Page 161 AMY K. EICHNER, PH.D.
1 2	AMY K. EICHNER, PH.D.	1 2	
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1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.	
2	this email sent?	² Q. Correct.	
3	A. February 14th, 2014.	³ A. From me, Amy Eichner, to Dr. ElSohly, Dr.	
4	Q. Now, do you know Mr. Chittiboyina?	⁴ Bowers and Annie Skinner.	
5	A. Doesn't ring a bell.	⁵ Q. Who is Annie Skinner?	
б	Q. And do you know what Dr. Khan meant when	⁶ A. She is our was our communications	
7	he said, "You were busy with Armstrong"?	⁷ director at that time.	
8	A. I believe he was referencing Lance.	⁸ Q. And it's a short email. Could you read it	
9	Q. I figured. I had to ask. And your	⁹ all aloud, please?	
10	achievements that he was proud of would have been?	¹⁰ A. "We should probably be prepared to comment	
11	A. The successful doping cases.	¹¹ on this paper. I'm a little offended but not surprised	
12	Q. Now, what were the next steps for you to	¹² that NutraIngredients has not requested our comment.	
13	take DMAA off the shelves?	¹³ I'm sure they're terrified at what Larry would say."	
14	A. Can you please point me to what you're	¹⁴ Q. Do you know which paper they're referring	
15	talking about.	¹⁵ to?	
16	Q. Sorry, question that should have been in	¹⁶ A. The attachment is ACI Identification and	
17	there. Strike that question. Sorry.	¹⁷ Quantification of Dimethylamylamine in geranium. An	nd I
18	Let's now move back to Eichner 23.	 would have to refer to the actual paper, but I believe that was - I believe it was a paper by Bloomer, I 	
19 20	A. Ready.	that was I believe it was a paper by Diobilier. I	
20	MR. MARCK: This is 2144. You're on the	would need to find fike to commit what we to takking	
21	same page as us, Claude?	about here, though, it possible.	
22	MR. SCOTT: Yes.	Q. That's file. Then this going to skip past	had
24	Q. (By Mr. Marck) At the top, who sent the	 that and we can move by it. Do you know what prompt you to say that you were a little offended by not being 	lea
25	email? A. At the very top?	 25 contacted by them? 	
20	A. At the very top?		
	Page 164	Page 16	E
	Page 104	Page 10	5
1	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.	5
1 2			0
	AMY K. EICHNER, PH.D.	¹ AMY K. EICHNER, PH.D.	5
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25 201 (ff)(1) of the ED & C A at at this time " De man are 1.25 available to ED A and the ansatz have here here here here here here here he	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 AMY K. EICHNER, PH.D. you recall those? A. Yes. Q. And further down in response to your email of April 6, 2011, Dr. Moore goes on to state, "We have not conducted any independent scientific studies to confirm or refute the findings alleging its presence in geranium oil." Do you see that? A. Yes. Q. And by refuting its presence in geranium oil, confirming or refuting its presence in geranium oil, did you understand he was talking about DMAA? A. Yes. Q. Then he goes on to say, "Moreover, no party has submitted to FDA concerning its occurrence in any natural product." Do you see that? A. Yes. Q. And again, was he referring to DMAA to your understanding? A. Yes. Q. Then he goes on to say, "Accordingly, we have not reviewed any scientific information that would enable the agency to conclude that the substance is or 	1AMY K. EICHNER, PH.D.2that?3A. Yes.4Q. You understood this to be the state of5what he was describing of the scientific information6regarding DMAA and its presence in geraniums that was7available to FDA as of April 13th, 2011 when he wrote8the email?9A. Yes.10Q. Then it goes on to say below that, "Any11person/party can submit information to FDA that they12believe may be relevant to FDA's regulation of a13substance or that bears on the legal status of a14substance/product under the Act. As with any complaint15of submission made to FDA by an FDA-regulated product,16we will consider that information as well as the17totality of all the information available to the agency18and whether a violation of the Act has occurred and, if19so, whether regulatory action may be warranted, in11light of FDA's present enforcement priorities and21A. Yes, I do.23Q. And that was part of Dr. Moore's response
25 201 (ff)(1) of the FD&C Act, at this time." Do you see 25 available to FDA and the process by which people could	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 AMY K. EICHNER, PH.D. you recall those? A. Yes. Q. And further down in response to your email of April 6, 2011, Dr. Moore goes on to state, "We have not conducted any independent scientific studies to confirm or refute the findings alleging its presence in geranium oil." Do you see that? A. Yes. Q. And by refuting its presence in geranium oil, confirming or refuting its presence in geranium oil, did you understand he was talking about DMAA? A. Yes. Q. Then he goes on to say, "Moreover, no party has submitted to FDA concerning its occurrence in any natural product." Do you see that? A. Yes. Q. And again, was he referring to DMAA to your understanding? A. Yes. Q. Then he goes on to say, "Accordingly, we have not reviewed any scientific information that would enable the agency to conclude that the substance is or is not a legitimate dietary ingredient under section 	1AMY K. EICHNER, PH.D.2that?3A. Yes.4Q. You understood this to be the state of5what he was describing of the scientific information6regarding DMAA and its presence in geraniums that was7available to FDA as of April 13th, 2011 when he wrote8the email?9A. Yes.10Q. Then it goes on to say below that, "Any11person/party can submit information to FDA that they12believe may be relevant to FDA's regulation of a13substance or that bears on the legal status of a14substance/product under the Act. As with any complaint15of submission made to FDA by an FDA-regulated product,16we will consider that information as well as the17totality of all the information as well as the17so, whether regulatory action may be warranted, in19so, whether regulatory action may be warranted, in20Ight of FDA's present enforcement priorities and21available resources." Do you see that?22A. Yes, I do.23Q. And that was part of Dr. Moore's response24to your inquiry regarding what information was

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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	bring information regarding whether geranium plants	2	Q. All right. And did Dr I mean did
3	produced DMAA or not to their attention?	3	Mr. Kaplan ever provide you with any documentation
4	A. That is correct.	4	regarding these findings of geranium oil, DMAA in
5	Q. Now, earlier in your testimony you said	5	geranium oil?
6	that you had some discussions with, I don't know if	6	A. No, he did not. After I pressed him, he
7	it's a Mr. or Dr. Catlin. Do you recall that?	7	did reveal the brands of geranium oil that he had
8	A. I recall that, yes.	8	obtained, but despite my encouragements that he should
9	Q. Do you know if it's Mr. or Dr.?	9	publish his findings, to my knowledge, he never did,
10	A. I think it's Mr. but I don't know.	10	and to my knowledge, he never supplied USADA or anyone
11	Q. In the testimony, correct me if I'm wrong	11	else that I know of his results. And in a later email
12	here, I'm not trying to put any words in your mouth, I	12	he also said himself that he was not 100 percent sure
13	believe you indicated in some conversation or	13	about his results.
14	communication with Mr. Catlin, he told you that he had	14	Q. All right. And to your knowledge, did he
15	found low levels of DMAA in geranium oil that he	15	ever publish anything regarding the findings that he
16	tested?	16	reported to you that he found DMAA in small amounts in
17	A. Yes.	17	some geranium oils?
18	Q. Now, did he indicate to you whether or not	18	A. To my knowledge, he has not published in
19	that geranium oil was pure or was blended with some	19	that area at all.
20	other product?	20	Q. I think that's all I have. Oh, wait a
21	A. No, he didn't. In fact, I had to press	21	minute. I forgot. Doctor, are you being compensated
22	him on several occasions to tell us what product, what	22	by claimants for your time in preparing for this
23	geranium oil he actually tested because obviously we	23	deposition and in attending it to testify?
24	wanted to validate that, we wanted to test it ourselves	24	THE WITNESS: Are you claimants?
25	and see if we could come up with a same conclusion.	25	MR. MARCK: Yes.
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1	AMY K. EICHNER, PH.D.	1	AMY K. EICHNER, PH.D.
2	THE WITNESS: Yes, then I am.	2	vacation time?
3	Q. (By Mr. Scott) What are the financial	3	A. No.
4	arrangements? How much are you being paid to for your	5	MR. SCOTT: That's all I have.
5	time?	6	MR. MARCK: Nothing further from claimants.
6 7	A. I don't know.	7	(Proceedings concluded 2:35 p.m.)
	MR. MARCK: Don't look at me. You're	8	(Proceedings concluded 2.55 p.m.)
8 9	under oath.	9	
10	MR. KOONS: You don't know?	10	
	THE WITNESS: I don't know.		
11		11	
11 12	MR. MARCK: Do you need to go off the	11 12	
12	MR. MARCK: Do you need to go off the record and talk to her?		
12 13	MR. MARCK: Do you need to go off the record and talk to her? MR. KOONS: If we can.	12	
12 13 14	MR. MARCK: Do you need to go off the record and talk to her? MR. KOONS: If we can. MR. SCOTT: If that's what we need to do,	12 13 14 15	
12 13 14 15	MR. MARCK: Do you need to go off the record and talk to her? MR. KOONS: If we can. MR. SCOTT: If that's what we need to do, that's fine.	12 13 14 15 16	
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