

**UNITED STATES DISTRICT COURT  
DISTRICT OF NEW JERSEY**

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ATTORNEYS FOR MARS, INC.

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MARS, INC.,		)	
	Plaintiff,	)	Civil Action No. 2:07-CV-1574(SRC)(MF)
		)	
vs.		)	
		)	
NATRACEUTICAL, S.A., NATRA U.S., INC.		)	
	Defendants.	)	
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**COMPENDIUM OF EXHIBITS IN SUPPORT OF  
PLAINTIFF'S ORDER TO SHOW CAUSE**

Exhibit No.	Exhibit Title
1	Decl. of Harold. H. Schmitz in Support of Plaintiff Mars' Application for an Order to Show Cause for Preliminary Injunction.
2	Natraceutical website, < <a href="http://www.natraceutical.com/e_natra7.asp">http://www.natraceutical.com/e_natra7.asp</a> >, April 9, 2007.
3	Excerpt from Grupo Natra Catalyst.
4	Food Technology Buyer's Guide, < <a href="http://buyersguide.ift.org/cms/?pid=3003&amp;companyId=6000425">http://buyersguide.ift.org/cms/?pid=3003&amp;companyId=6000425</a> >, Mar. 29, 2007.
5	CocoaVia® brochure.
6	The CocoaVia Story, < <a href="http://www.cocoavia.com/story/">http://www.cocoavia.com/story/</a> >, Mar. 29, 2007.
7	Cocoapro® Fact Sheet.
8	CocoaVia Product Fact Sheet.
9	Marlene M. Machut, <i>Research Finds Flavanols in Cocoa May Help Treat Diabetes, Strokes and Dementia</i> , July 25, 2005.
10	Lori Fromm, <i>Flavanols in Cocoa May Offer Benefits to the Brain</i> , Feb. 18, 2007.
11	<i>Mars Breaks New Ground in Heart Health with CocoaVia</i> , Sept. 14, 2005, < <a href="http://www.masterfoodsnews.com/prodprint.asp?prodid=265">http://www.masterfoodsnews.com/prodprint.asp?prodid=265</a> >, March 22, 2007.
12	Elizabeth Schreiber, <i>Start a Heart-Healthy Diet During American Heart Month: It's Easy and Delicious to be Good to Your Heart</i> , Feb. 1, 2006.
13	Decl. of Brice S. Russell in Support of Plaintiff Mars' Application for an Order to Show Cause for Preliminary Injunction.
14	The CocoaVia Brand Difference, < <a href="http://www.cocoavia.com/products/">http://www.cocoavia.com/products/</a> >, March 29, 2007.
15	U.S. Patent No. 6,312,753, entitled "Cocoa Components, Edible Products Having Enriched Polyphenol Content, Methods of Making Same and Medical Uses."
16	U.S. Patent No. 6,790,966, entitled "Cocoa Extracts Containing Solvent-Derived Cocoa Polyphenols from Defatted Cocoa Beans."
17	U.S. Patent No. 5,554,645, entitled "Antineoplastic Cocoa Extracts and Methods for Making and Using the Same."
18	Excerpts from MERRIAM-WEBSTER'S COLLEGIATE DICTIONARY (10th ed. 1993).
19	Certificate of Analysis: CCX Reduced Fat 12% Polyphenols.
20	Decl. of John F. Hammerstone in Support of Plaintiff Mars' Application for an Order to Show Cause for Preliminary Injunction.
21	1/15/03 Preliminary Amendment to Application for the '966 patent.
22	10/1/03 Amendment to Application for the '966 patent.
23	Certificate of Analysis: CocoanOX Extract 45% Polyphenols.
24	<i>Christiana Indus., Inc. v. Empire Elecs. Inc.</i> , Case No. 06-12568, 2006 U.S. Dist. LEXIS 54210, at *5 (E.D. Mich. Aug. 4, 2006).
25	<i>Lawman Armor Corp. v. Winner Int'l, Inc.</i> , Case No. 01-1605, 2002 U.S. Dist. LEXIS 1431, at *50-51 (E.D. Pa. Jan. 23, 2002).
26	IFT 2007 Annual Meeting and Food Expo Exhibitor List, < <a href="http://www.am-fe.ift.org/cms/?pid=1000373">http://www.am-fe.ift.org/cms/?pid=1000373</a> >, Feb. 27, 2007.

27	Natra U.S., Inc. company information page, IFT 2007 Annual Meeting and Food Expo website, < <a href="http://www.am-fe.ift.org/cms/?pid=1000025&amp;companyId=6000425">http://www.am-fe.ift.org/cms/?pid=1000025&amp;companyId=6000425</a> >, Feb. 27, 2007.
28	IFT 2007 Annual Meeting and Food Expo Benefits, < <a href="http://www.am-fe.ift.org/cms/?pid=1000249">http://www.am-fe.ift.org/cms/?pid=1000249</a> >, Feb. 27, 2007.
29	IFT 2007 Annual Meeting and Food Expo Marketing, < <a href="http://www.am-fe.ift.org/cms/?pid=1000252">http://www.am-fe.ift.org/cms/?pid=1000252</a> >, Mar. 29, 2007.
30	<i>Allan Block Corp. v. E. Dillon &amp; Co.</i> , Case No. 04-3511, 2005 U.S. Dist. LEXIS 13566, at *20 (D. Minn. July 1, 2005).
31	<i>What is Acticoa cocoa and chocolate?</i> , Acticoa website, < <a href="http://www.acticoa.com/en/2">http://www.acticoa.com/en/2</a> >, Mar. 29, 2007.

# **EXHIBIT 1**

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ATTORNEYS FOR MARS, INC.

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MARS, INC.,		)	
	Plaintiff,	)	Civil Action No. 2:07-CV-1574 (SRC)(MF)
		)	
vs.		)	<b>DECLARATION OF HAROLD H.</b>
		)	<b>SCHMITZ IN SUPPORT OF</b>
NATRACEUTICAL, S.A., NATRA U.S.,		)	<b>PLAINTIFF MARS' APPLICATION</b>
INC.		)	<b>FOR AN ORDER TO SHOW CAUSE</b>
		)	<b><u>FOR PRELIMINARY INJUNCTION</u></b>
	Defendants.	)	
<hr/>		)	

I, Harold H. Schmitz, Ph.D., hereby declare as follows:

1. I am the Chief Science Officer for Mars, Inc. ("Mars") and have held this position since February 2005. See H. H. Schmitz Curriculum Vitae, attached as Exhibit 1 hereto.

2. Prior to my current position at Mars, I was the Director of Science and External Research for M&M/Mars, a division of Mars, Inc. (now known as Masterfoods) from October 2000 through January 2005. I also was a Group Manager for the Analytical and Applied

Sciences division at M&M/Mars from June 1998 through April 2002, and a Senior Research Scientist at M&M/Mars from June 1996 through May 1998. My career at M&M/Mars began in November 1993, where I was hired to be a Research Scientist in the Scientific Affairs division and held this position until I first was promoted in May 1996. *Id.* at p. 1.

3. Prior to my career with Mars, I was a United States Department of Agriculture (“USDA”) National Needs Research Fellow from 1990 to 1993. *Id.* at p. 2. In May 2003, I was a USDA Panel Member for the National Research Initiative Grants Program on Food Characterization. *Id.* at pp. 2.

4. I also am currently a Member of Government-University-Industry Research Roundtable at the National Academy of Sciences, and have been a Member of this group since 2001. *Id.* at p. 2.

5. In 1987, I received a Bachelor of Science in Food Science from the University of Arkansas, in Fayetteville, Arkansas, and was awarded the Institute of Food Technologists Undergraduate Scholarship from 1985 through 1987. *Id.* at pp. 1-2. In 1990, I received a Masters in Science in Food Science from the University of Illinois, in Champaign, Illinois. Finally, in 1993, I received my Doctoral degree in Food Science, with a minor in Organic Chemistry, from the North Carolina State University, in Raleigh, North Carolina. *Id.* at p. 1.

6. My research interests center around the biological and engineering sciences as they relate to food production and its influence on human and companion animal health. Specifically, I am interested in the application of analytical sciences to agricultural, food, medical, veterinary and nutrition sciences, with a special emphasis on understanding the metabolism and function of dietary phytochemicals in the context of human health and nutrition and vascular biology as affected by dietary constituents. *Id.* at p. 3.

7. I have authored and co-authored numerous peer-reviewed publications in a variety of relevant journals that reflect my research interests, as well as book chapters and selected abstracts. *Id.* at 3-9. I also have given numerous presentations and lectures that reflect my research interests, and have received several awards and honors in connection with my work, including the award for Outstanding Research Presentation at the Triangle Chromatography Conference in Raleigh, North Carolina, in 1993. *Id.* at pp. 2, 8-11.

8. I have personal knowledge of the following facts and, if called as a witness, could and would competently testify thereto.

9. Mars is one of the world's top producers of chocolate, in addition to being a leading global manufacturer of various name-brand food products, such as Uncle Ben's rice and confectionary food items such as M&M's candies and Mars, Milky Way, Snickers, Dove and Twix bars.

10. Mars also has had a longstanding commitment to health research, particularly focusing on the health and nutritional aspects in naturally occurring food compounds. One such research project has involved the family of polyphenol compounds found in cocoa that includes flavanols and the subclass often referred to as procyanidins.

11. Over recent years, these cocoa polyphenol ("CP") compounds have increasingly been lauded and extensively researched by the scientific community including medical and nutrition science. The growing attention that CPs have received has been due, in large part, to Mars' involvement in cocoa science research.

12. Indeed, Mars has dedicated more than 15 years and has invested more than 30 million dollars to lead cocoa polyphenol science research and related product development, and in particular, the study of the health and nutritional aspects of CPs.

13. Mars has become the global pioneer in CP science research.

14. Mars has more than 30 patents relating to CPs. I personally am a named inventor in nine U.S. patents relating to CPs, including U.S. Patent No. 6,312,753, which is one of the patents at issue in this case. *Id.* at pp. 11-12.

15. Mars also has become a leader in educating the public of the benefits of various cocoa-based formulations.

16. I believe that Mars' original idea going back to the early 1990s of researching the health and nutrition science aspects of CPs went against the prevailing trend and wisdom in the industry at the time. The chocolate industry then was focused primarily on understanding sensory aspects, such as flavor. Mars' vision to invest the time and resources necessary to develop methods of processing cocoa beans to extract and retain as many polyphenols as possible was a truly revolutionary idea. I personally have been involved in this research.

17. Mars' involvement in CP research has led to the discovery of many scientific breakthroughs and technological advances with respect to the health and nutritional benefits of cocoa polyphenols, and specifically cocoa flavanols.

18. From a pure science perspective, flavanols represent one family of compounds that belong to a larger group of compounds called flavanoids. In turn, flavanoids represent a subcategory of polyphenols. Whereas polyphenols, the broadest category, may include more than 10,000 compounds, flavanoids include more than 5,000 compounds and flavanols, including the procyanidin subclass, likely comprise several hundred when stereoisomers of individual flavanols are considered. Mars first identified polyphenols as being linked to health benefits and then continued with its efforts to further characterize the polyphenol compounds found in cocoa to ascertain which particular polyphenols accounted for health benefits. Today, at Mars, we tend



to speak more about flavanols than the broader category of polyphenols, because our continuing research has led us to this specific subcategory of polyphenols. However, CPs are sometimes referred to as flavanols.

19. Scientists, medical doctors and nutritional experts alike have discovered and attributed real health benefits attributable to CPs, including the possibility of preventing or improving cardiovascular disease, diabetes, dementia and overall vascular health and blood flow. These ground-breaking discoveries have received much acclaim from the medical and nutrition science communities alike. Mars' research, reflected in the more than 100 peer-reviewed publications regarding CPs authored by Mars' scientists and Mars' research partners in universities, has been the impetus for the research now occurring in this area.

20. Mars' research also has led it to develop patented processes for maximizing the retention and extraction of polyphenols found in cocoa. These processes and resulting products are known under the Cocompro® trademark. For example, Dove® chocolates, one of Mars' product offerings, now are made from cocoa derived from Mars' patented processes that maximize polyphenol content. This chocolate retains exceptional sensory characteristics while delivering measurable effects on vascular health because of its relatively high polyphenol content. A representative copy of the packaging for one Dove product, "Dove Rich Dark Chocolate," is attached as Exhibit 2 hereto. On the front, it bears Mars' healthy heart trademark with the tagline "Natural Source of Flavanols." On the back side, the packaging contains the Cocompro trademark.

21. Mars' scientists also have developed novel ways to measure and characterize polyphenol content in foods, as well as novel post-harvesting procedures and technologies which help maximize the amount of polyphenols available in a variety of formulas.

22. Mars has become a leader in developing a market for polyphenol-rich, cocoa-based products.

23. Specifically, Mars has developed, uses, sells and is attempting to license a line of CP-rich ingredients, namely, polyphenol-enhanced cocoa powders and extracts marketed under the Cocoapro trademark. On July 6, 2007, at a Botanical Conference in Chicago, Mars plans to make announcements regarding this growing aspect of the business.

24. Mars has developed various polyphenol-rich, cocoa-based end products that use its CP ingredients. For example, since about March 2005, Mars has sold at the retail level in the health and nutrition business segment, a CP enriched line of products under the trademark CocoaVia®. Mars' CocoaVia products contain a patented combination of Cocoapro-cocoa polyphenols and sterols. These products retain exceptional sensory characteristics, while also containing high levels of polyphenols responsible for known health benefits and, as a result, they deliver measurable effects on vascular health and blood flow. A representative copy of a CocoaVia package is attached as Exhibit 3 hereto.

25. Based upon robust research and clinical testing, the packaging for CocoaVia products prominently advises consumers that:

“CocoaVia® is made using the Cocoapro process. This guarantees the retention of high levels of naturally occurring cocoa flavanols to help promote healthy circulation. These cocoa flavanols are similar to those flavanols found in red wine and green tea.”

In fact, CocoaVia products have enhanced CP content derived from the addition of Mars patented CP-rich powder and/or extract.

26. Cocoapro is the most studied cocoa product in the world in terms of discovering the health impact and benefits of CPs.

27. When Mars first embarked on its plan to research the health benefits of CPs and

to develop a process by which it could preserve, maximize and extract the amount of CPs available after the cocoa was processed, its U.S. competitors appeared to ignore these efforts. Polyphenols responsible for known health benefits are destroyed during the traditional methods of processing cocoa which focused on flavor development. These competitors apparently believed it was not worth the effort to retain CPs.

28. Natraceutical S.A. and/or Natra U.S., Inc. are competitors of Mars' Cocoapro products; and, as such, their target market for CocoanOX and related products includes most, if not all, of Mars' competitors and/or potential or current customers.

29. If Natraceutical and/or Natra U.S. are able to continue to promote and sell their CocoanOX products generally, including to exhibit and sell them specifically at the IFT 2007 Annual Meeting and Food Expo, in Chicago, Illinois, which begins on July 28, 2007, Mars' competitors may purchase CocoanOX in large quantities in order to make and sell their own line of products that directly compete with Mars' CP-rich cocoa products. Thus, Mars will likely lose substantial sales, market share and licensing potential for its Cocoapro products.

30. Moreover, Natraceutical's CocoanOX will be offered to the same companies with whom Mars now is in negotiation for the sale and licensing of Mars' Cocoapro powders and extracts. The availability of CocoanOX will undermine Mars' efforts. It may erode pricing and sales. Significantly, Natraceutical's and Natra U.S.'s approach also profoundly affects product reputation in an adverse way and indeed threatens to destroy and/or dilute consumer's perceptions about CPs. Since CocoanOX apparently is available for purchase by anyone, it could be used in products in amounts with absolutely no efficacy. For example, what effect would CocoanOX have if used in barbecue sauce for ribs or as a supplement for french fries? No one knows. To the best of our knowledge, Natraceuticals has not researched that issue. In my

experience, an inferior product or the failure of one company's product brand to produce claimed results has strong potential to destroy the reputation of the entire category of similar products, even as to other companies whose similar product brands are proven to perform as claimed. The scientifically uncontrolled sales by Natraceutical and Natra U.S. will destroy what Mars has accomplished and may well eliminate the remarkable potential CPs have for addressing several of the most serious public health issues and healthcare costs now facing the population of the United States.

31. To prevent the disparagement of CPs generally, and Mars' CP products in particular, Mars will sell and license its CP ingredients only for products that can be proven to produce the benefits that Mars has accomplished in specific food products.

32. Natraceutical apparently has no limitations, and sales of its infringing products without appropriate scientific restraint threatens to destroy the entire CP market, including Mars' CP brands and products, as well as all of the advances and research in CP technology.

33. Companies other than Natraceutical and Natra U.S. have developed CP ingredients outside the United States. Barry Callebaut is one such company. It has a product known as Acticoa that is a cocoa polyphenol powder or extract. To date, we have no evidence that suggests that Barry Callebaut has sold this product in the U.S. or to companies that would use it in the U.S.

34. If Natraceutical and Natra U.S. continue to sell and offer to sell their CocoanOX products in the United States, Barry Callebaut and others may be encouraged to infringe Mars' patents as well, forcing Mars to engage in yet more litigation to safeguard its technology and its patents.

35. Mars is registered to exhibit its polyphenol-enhanced products at the IFT Expo

trade show in July 2007. This trade show begins only a few weeks after Mars plans to make announcements regarding its growth and direction in the cocoa polyphenol business.

36. Mars continues to research new and more effective ways to advance its CP technology. New products are planned for introduction in the near future. Pharmaceutical and other nutrition formulations are being evaluated and tested. Mars now is at a critical stage in its development and launch of healthy products and medicines rich in CP. It is vital to Mars and to CPs generally that Natraceutical and Natra U.S. be stopped immediately from destroying that which Mars built over more than 15 years with the investment of more than \$30 million.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct and that I signed this Declaration in McLean, VA on April 10<sup>th</sup>, 2007.



By: Harold H. Schmitz, Ph.D.  
Title: Chief Science Officer  
Mars, Inc.

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**Exhibit 1**

## **CURRICULUM VITAE**

### **Harold Herman Schmitz**

Manager, Science and External Research  
Mars, Incorporated  
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McLean, VA 22101-3883  
Telephone: 001.703.821.4900  
Fax: 001.703.448.9678  
EMail: harold.schmitz@effem.com

### **Education**

University: North Carolina State University, Raleigh, NC  
Degree: Ph.D. (1993)  
Major: Food Science                      Minor: Organic Chemistry

University: University of Illinois, Champaign, IL  
Degree: M.S. (1990)  
Major: Food Science

University: University of Arkansas, Fayetteville, AR  
Degree: B.S. (1987)  
Major: Food Science

### **Professional Experience**

Chief Science Officer, Mars, Incorporated, February 2005 - Present

Director, Science and External Research, Mars, Incorporated, October 2000 – January 2005

Group Manager, Analytical and Applied Sciences, M&M/Mars, Incorporated, June 1998 – April 2002

Senior Research Scientist, Fundamental Research, M&M/Mars, Incorporated, June 1996 – May 1998

Visiting Faculty Member, Department of Nutrition, University of California, Davis, July 1995 – Present

Research Scientist, Scientific Affairs, M&M/Mars, Incorporated, November 1993 – May 1996

United States Department of Agriculture National Needs Research Fellow, Department of Food Science, North Carolina State University, 1990 – 1993

Research Assistant, Department of Food Science, University of Illinois, 1988 – 1990

### **Awards and Honors**

Eagle Scout, Boy Scouts of America

Institute of Food Technologists Undergraduate Scholarship, 1985 – 1987

Outstanding Research Presentation, Triangle Chromatography Conference, Raleigh, NC  
1993

Helped develop and co-chair symposium entitled “Antioxidant Properties of Phytochemicals – Application to Health Promotion and Disease Prevention” at the Sixth Annual Meeting of the Oxygen Society (1999) in New Orleans, USA

Developed and chaired symposium entitled “Food, Phytochemicals and Chocolate: Protecting Against and Preventing Cardiovascular Disease” at the American Dietetics Association Annual Meeting (2000) in Denver, USA

Helped develop and chaired session entitled “Nutrition and Infection” at the Nutrition and Oral Infectious Disease Workshop, Forsyth Dental Center (2000) in Boston, USA

Marie Kelso Award for best presentation at 55<sup>th</sup> annual Pennsylvania Manufacturing Confectioners Association (2001) in Hershey, PA, USA

### **Professional Activities**

Occasional invited reviewer for *Journal of Nutrition*, *Journal of Agricultural and Food Science*, *Journal of Food Science* and *Proceedings of the Society for Experimental Biology and Medicine*

Member, Government-University-Industry Research Roundtable, National Academy of Sciences, 2001 – Present

Panel Member, United States Department of Agriculture – National Research Initiative Grants Program on Food Characterization, May 2003, Washington, DC

Participant, DSO Tech, Defense Advanced Research Projects Agency, Defense Sciences Office, July 2003, San Diego



### **Major Research Interests**

Application of analytical sciences to agricultural, food, medical, veterinary and nutrition sciences

Metabolism and function of dietary phytochemicals in modulating human health and nutrition

Vascular biology as affected by dietary constituents

### **Society Memberships**

Sigma Xi

Gamma Sigma Delta

### **Peer-Reviewed Publications**

Schmitz HH, Artz WE, Poor CL, Dietz JM and Erdman JW (1989) High-performance liquid chromatography and capillary supercritical-fluid chromatography separation of vegetable carotenoids and carotenoid isomers. *J Chromatogr* 479:261-268.

Schmitz HH, Poor CL, Wellman RB and Erdman JW (1991) Concentrations of selected carotenoids and vitamin A in human liver, kidney and lung tissue. *J Nutr* 121:1613-1621.

Schmitz HH, van Breemen RB and Schwartz SJ (1992) Fast-atom bombardment and continuous-flow fast-atom bombardment mass spectrometry in carotenoid analysis. *Meth Enzymol* 213:322-336.

Schmitz HH, Poor CL, Gugger EG and Erdman JW (1993) Analysis of carotenoids in human and animal tissues. *Meth Enzymol* 214:102-116.

Van Breemen RB, Schmitz HH and Schwartz SJ (1993) Continuous-flow fast atom bombardment liquid chromatography/mass spectrometry of carotenoids. *Analy Chem* 65:965-969.

Schmitz HH, Schwartz SJ and Catignani GL (1994) Resolution and quantitation of the predominant geometric beta-carotene isomers present in human serum using normal-phase HPLC. *J Agric Food Chem* 42:2746-2750.

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- Schmitz HH (1997) Antioxidants and oxidative stress: A complex health and nutrition issue. *J Am Dietetic Assoc.* 97:467.
- Hammerstone JF, Lazarus SA, Mitchell AE, Rucker RB and Schmitz HH (1999) Identification of procyanidins in cocoa (*Theobroma cacao*) and chocolate using high-performance liquid chromatography/mass spectrometry. *J Agric Food Chem* 47:490-496.
- Lazarus SA, Adamson GE, Hammerstone JF and Schmitz HH (1999) High-performance liquid chromatography/mass spectrometry analysis of proanthocyanidins in foods and beverages. *J Agric Food Chem* 47:3693-3701.
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- Coalition of Health Professionals for Food Choices for the 21<sup>st</sup> Century (1999) Food choices for the 21<sup>st</sup> century: A word to our colleagues. *Nutr Today* 34:170-173.
- Mao TK, Powell JJ, van de Water J, Keen CL, Schmitz, HH and Gershwin ME (1999) The influence of cocoa procyanidins on the transcription of interleukin-2 in peripheral blood mononuclear cells. *Int J Immunotherapy* 15:23-29.
- Lazarus SL, Hammerstone JF and Schmitz HH (1999) Chocolate contains flavonoids not found in tea. *Lancet* 354:1825.
- Mao TK, Powell J, van de Water J, Keen CL, Schmitz HH, Hammerstone JF and Gershwin ME (2000) The effect of cocoa procyanidins on the transcription and secretion of interleukin-1beta in peripheral blood mononuclear cells. *Life Sciences* 66:1377-1386.
- Bearden, MM, Pearson DA, Rein D, Chevaux, KA, Carpenter DR, Keen CL and Schmitz HH (2000) Potential cardiovascular health benefits of procyanidins present in chocolate and cocoa. In "Caffeinated Beverages: Health Benefits, Physiological Effects and Chemistry" (TH Parliament, CT Ho and P Schieberle, eds), ACS Symposium Series 754, American Chemical Society, Washington, DC
- Rein D, Paglieroni TG, Wun T, Pearson DA, Schmitz HH, Gosselin R and Keen CL (2000) Cocoa inhibits platelet activation and function. *Am J Clin Nutr* 72:30-35.

- Hammerstone JF, Lazarus SA and Schmitz HH (2000) Proanthocyanidin content and variation in some commonly consumed foods. *J Nutr* 130:2086S-2092S.
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- Rein D, Lotito S, Holt RR, Keen CL, Schmitz HH and Fraga CG (2000) Epicatechin in human plasma: *in vivo* determination and effect of chocolate consumption on plasma oxidation status. *J Nutr* 130:2109S-2114S.
- Wang JF, Schramm DD, Holt RR, Ensunsa JL, Fraga CG, Schmitz HH and Keen CL (2000) A dose-response effect from chocolate consumption on plasma epicatechin and oxidative damage. *J Nutr* 130:2115S-2119S.
- Rein D, Paglieroni TG, Pearson DA, Wun T, Schmitz HH, Gosselin R and Keen CL (2000) Cocoa and wine polyphenols modulate platelet activation and function. *J Nutr* 130:2120S-2126S.
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- Lotito SB, Actis-Goretta L, Renart ML, Caligiuri M, Rein D, Schmitz HH, Steinberg F, Keen CL and Fraga CG (2000) Influence of oligomer chain length on the antioxidant activity of procyanidins. *Biochem Biophys Res Comm* 276:945-951.
- Pearson DA, Schmitz HH, Lazarus SA and Keen CL (2001) Inhibition of *in vitro* low-density lipoprotein oxidation by oligomeric procyanidins present in chocolate and cocoas. *Meth Enzymol* 335:350-360.
- Lazarus SA, Hammerstone JF and Schmitz HH (2001) HPLC/MS analysis of proanthocyanidins in food and beverages. *Meth Enzymol* 335: 46-57.
- Schramm DD, Wang JF, Holt RR, Ensunsa JL, Gonsalves JL, Lazarus SA, Schmitz HH, German JB and Keen CL (2001) Chocolate procyanidins decrease the leukotriene/prostacyclin ratio in humans and human aortic endothelial cells. *Am J Clin Nutr* 73:36-40.
- Fraga C, Lazarus SA, Hammerstone JF, Schmitz HH and Keen CL (2001) More Antioxidants in Cocoa (Reply)? *J Nutr* 131:835.
- Chevaux KA, Jackson L, Villar ME, Mundt JA, Commisso JF, Adamson GE, McCullough MM, Schmitz HH and Hollenberg NH (2001) Proximate, mineral and procyanidin content of certain foods and beverages consumed by the Kuna Amerinds of Panama. *J Food Comp Anal* 14:553-563.

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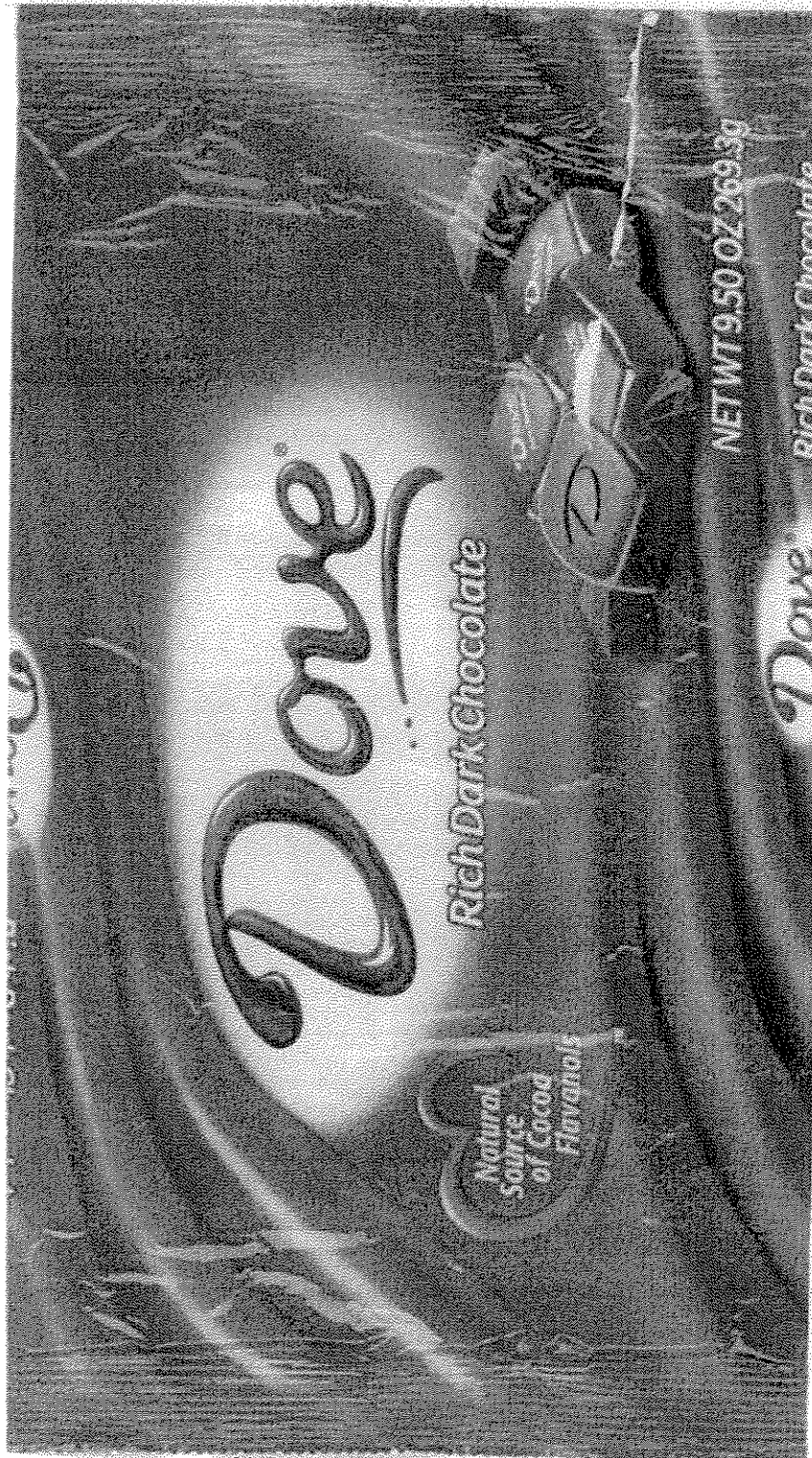
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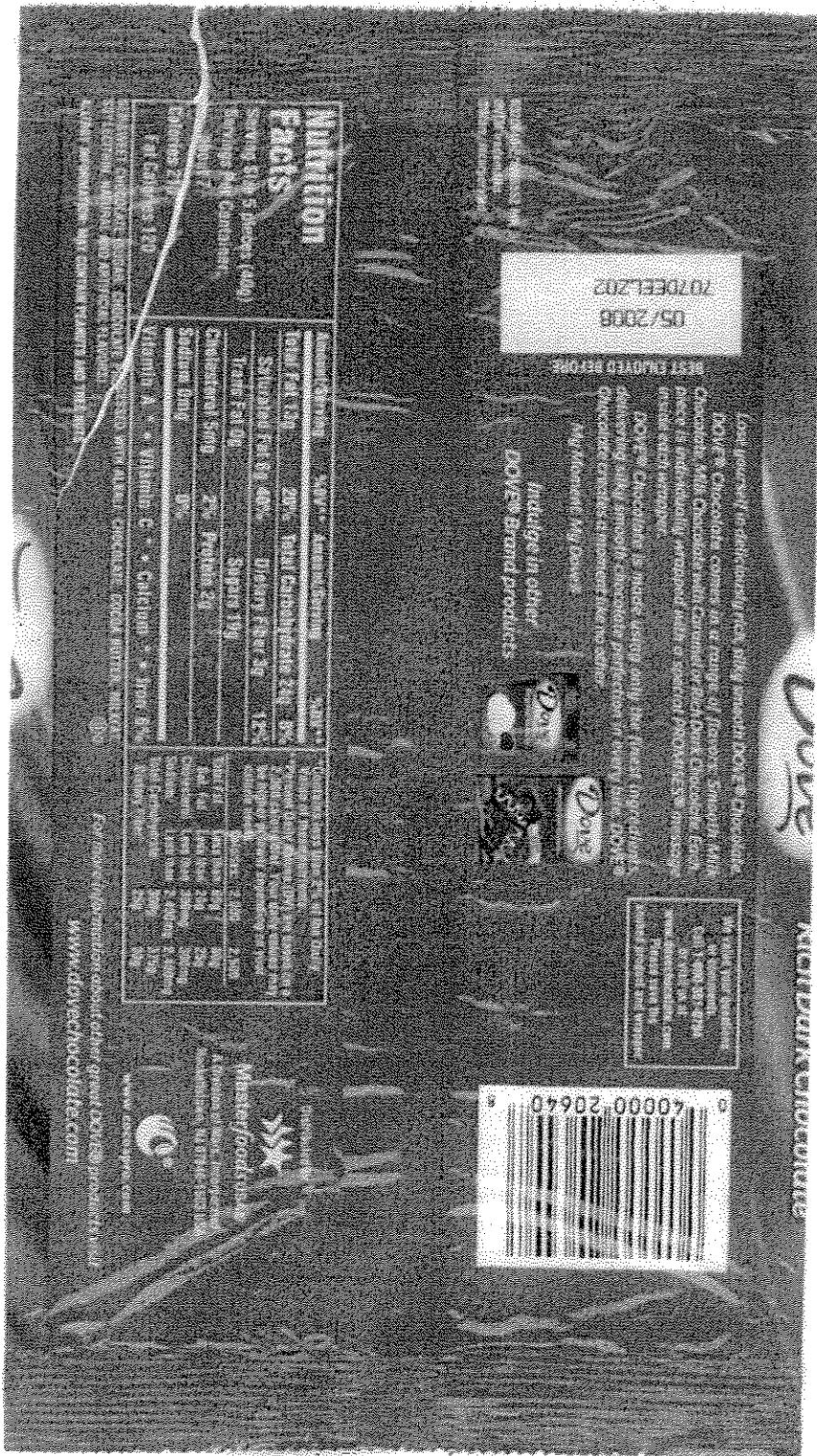
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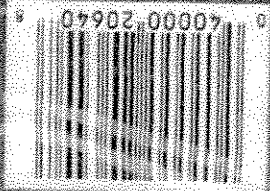
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Nutrition Facts	
Amount per Bar (1.5 oz) % Daily Value*	
Total Fat 10g	20%
Saturated Fat 5g	10%
Trans Fat 0g	0%
Cholesterol 5mg	10%
Sodium 10mg	20%
Total Protein 10g	20%
*Percent Daily Values are based on a diet of soap.	

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**Exhibit 3**

**PROMOTES A HEALTHY HEART**

Heart Healthy Snacks

# CocoaVia<sup>®</sup>

BRAND

MILK CHOCOLATE ALMOND BARS

5 Individually Wrapped Servings

Formulated to Help:

- Reduce Bad Cholesterol
- Promote Healthy Circulation

*You love chocolate, you care about your health. Now you can have real milk chocolate pleasure with real heart health benefits.*

**Dove**  
Real Chocolate

*Be Good To Your Heart Every Day.*

1/27/02 BAR (5.91) 02 22 (P) 08 (11058)

5.90 2/2 x 5.75

5241501009

2





Milk Chocolate Almond Bars

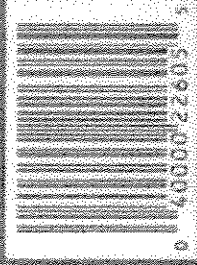
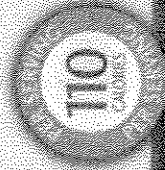
Master/Manufacturer

Produced in a Facility that Processes Tree Nuts and Peanuts. Contains 100% Real Milk Chocolate and Real Almonds.

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**REAL CHOCOLATE PLEASURE  
WHILE BEING GOOD TO YOUR HEART EVERY DAY**

-  CocoaVia® Milk Chocolate Almond Flan contains natural plant esters which have proven to significantly reduce low (LDL) cholesterol as part of a low saturated fat, low cholesterol diet.
-  CocoaVia® is made using the CocoaVia® process. This guarantees the retention of high levels of naturally occurring cocoa flavanols to help promote healthy circulation. These cocoa flavanols are similar to those flavanols found in red wine and green tea.
-  CocoaVia® contains heart healthy vitamins B6, B12, folic acid, antioxidants C and E, and is an excellent source of calcium.
-  We select only the finest quality, all-natural ingredients for use in our products, like specially selected cocoa beans, fresh almonds and other wholesome ingredients. Enjoy!



**Nutrition Facts**  
Serving Size 1 Flan (28g)  
Servings Per Container 5

<b>% Daily Value*</b>	
Total Fat 7g	11%
Saturated Fat 3g	15%
Trans Fat 0g	
Cholesterol 5mg	2%
Sodium 15mg	3%
<b>Total Carbohydrate 12g</b>	<b>4%</b>
Dietary Fiber 1g	4%
Sugars 10g	
Protein 2g	

\*Percent Daily Values are based on a diet of other people's secrets. ©2007 Mars, Incorporated. All rights reserved. See Mars.com for more information. This product contains 110 calories. For more information on our products, visit Mars.com. ©2007 Mars, Incorporated. All rights reserved. See Mars.com for more information. This product contains 110 calories. For more information on our products, visit Mars.com.

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