MEMORANDUM

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
FOOD AND DRUG ADMINISTRATION

TO : Heinz J. Eiermann, (HFF-440)
Director, Division of Cosmetics Technology
THROUGH: Henry M. Davis, (HFF-446)
Chief, Product Composition Branch

DATE: January 7, 1976

FROM : Ronald L. Yates, (HFF-446)
Product Composition Branch

SUBJECT: Tabulated Results of DCST's Analyses for Asbestos Minerals in Lewin, Field Activity Surveillance (FAS), Investigational and Consumer Cosmetic Talc Products.

Attached are a series of tables summarizing data obtained from the DCST analyses of cosmetic talc products for asbestos minerals. Also included, for purposes of comparison, are Dr. S. Z. Lewin's analytical data obtained by x-ray diffractometry.

Attachments:

a. Master table. "Summary Table of Results of the Investigations of Commercial Cosmetic Talc Products For Asbestos Minerals by S. Z. Lewin and the Division of Cosmetics Technology." This table contains analytical data of all the Lewin samples analyzed by DCST. Included is Lewin's data on these samples.

b. Table I. "Summary of Results of DCST's Analyses For Asbestos Minerals in Talc Samples Reported by Lewin to contain Tremolite and/or Chrysotile." Information in this table was extracted from the master table and lists only those samples which Lewin reported the presence of asbestos minerals.

c. Table II. "Cosmetic Talcs Analyzed by Lewin and Reported to Contain Chrysotile and/or Tremolite which were not Analyzed by DCST by Either DTA or Optical Microscopy." DCST does not possess the samples listed in this table and, therefore, were unable to analyze them.

d. Table III. "Summary of DCST's Analyses of Cosmetic Talc Products by Differential Thermal Analysis (DTA) and Optical Microscopy." This table summarizes, by number of samples, DCST's analyses of talc samples from all sources.

DEFENDANT'S EXHIBIT D-7113

e. Table IV. "Summary of S. Z. Lewin's Analyses of Commercial Cosmetic Talcs For Tremolite and Chrysotile by X-Ray Diffraction." This table summarizes, by number of samples, S. Z. Lewin's results for all samples analyzed.

Ronald L. Yates

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Product Composition Branch

SUMMARY TABLE OF RESULTS OF THE INVESTIGATIONS OF COMMERCIAL COSMETIC TALC PRODUCTS FOR ASBESTOS MINERALS BY S. Z. LEWIN AND THE DIVISION OF COSMETICS TECHNOLOGY[1]

SAMPLE #	PRODUCT NAME AND MFG.	CODE	S. Z. Lewin's Results (X-Ray Diff.) Tremolite (%)	Chrysotile (%)	DCST's Results Tremolite (fiber/mg) Optical Microscopy	Chrysotile (%) - DTA
14	Desitin Baby Powder, Antibacterial; Pfizer	(1139Z)	ND[2]	ND	-	ND
26	Helen Pressl "Little Lady"		ND	?	ND	ND
29	Johnson's Baby Powder	(028Q)	ND	ND	ND	ND
35	Lewis Baby Powder		ND	ND	-	ND
37	Macy's Scented Borated Talcum		ND	ND	200 (.02%)[3]	ND
38	Macy's Talcum, Apple	(2K4)	ND	ND	-	ND
42	Mennen Quinsana Foot Powder	(H202)	ND	ND	600 (.06%)	?
50	Quest Deodorant Powder;		ND	ND	-	ND
52	Riviana Foods-Italian Stearin Talc; For Rice		ND	ND	-	ND
53	September Morn By Pond's	(19B)	ND	ND	-	ND
54	Seven Winds After Bath Talc; DuBarry	(021085)	ND	?	-	ND
56	Vaseline Intensive Care Baby Powder (same as 130)	(I209)	ND	ND	-	ND
57	Yves Saint Laurent Rive Gauche Spray Talc		ND	ND	-	ND
58	Z B T Baby Powder	(F1021)	ND	ND	-	ND
59	Zeasorb Super Absorbent Medicated Powder; Stiefel		ND	ND	-	ND
60	Ambush-Dana Dusting Powder		ND	ND	-	ND
61	April Showers	(9884)	ND	ND	700 (.07%)	ND
62	Avon Unforgettable Perfumed Talc		ND	ND	-	ND
63	Beloved Perfumed Dusting Powder, Prince Matchabelli		5%	ND	36,000 (3.6%)	ND

SAMPLE #	PRODUCT NAME AND MFG.	CODE	S. Z. Lewin's Results (X-Ray Diff.) Tremolite (%)	Chrysotile (%)	Tremolite (Fiber/mg, ...) Optical Microscopy (%)	- DTA
64	Coty Face Powder Rachel (Airspun)		ND	ND	-	ND
68	Faberge Flambeau Deodorant Spray Powder	(37WBF)	ND	ND	-	ND
70	Jeris Talc, Flesh A & B		ND	ND	500 (.05%)	ND
71	Jolie Madame Dusting Powder, Balmain		3%	ND	ND	ND
72	Lady Esther Face Powder, Rachel		ND	ND	ND	ND
73	A&B Max Factor Face Powder, Rachelle		ND	ND	-	ND
74	Medicated Comfort Powder; Parke-Davis		ND	ND	3,300 (.33%)	ND
75	OH! de London Talc; Yardley	(498)	ND	ND	-	?
77	Touch and Glow Face Powder, Creamy Peach; Revlon		3%	ND	2,800 (.28%)	?
78	Toujours Moi Bath Powder; Corday		5%	ND	96,000 (9.6%)	ND
79	Yardley April Violets	(4908)	ND	ND	-	ND
80	Chantilly Dusting Powder; Houbigant	(11F)	ND	?	ND	ND
81	Cashmere Bouquet, Imported White Talcum Powder		ND	?	ND	ND
82	Jean Nate Talc	(on 345)	ND	?	-	ND
84	Shower To Shower Body Powder; Johnson & Johnson	(5507BG)	ND	?	-	ND
85	Pure Baby Powder, Dart Drug	(K11C)	ND	?	ND	ND
86	Pond's Dream Flower Perfumed Talc	(013D)	ND	?	-	ND
87	Almay Hypo-Allergenic Face Powder		ND	?	-	ND
88	Constance Carroll, Bouquet Talc		4%	5%	7,000 (.7%)	ND
89	Djer-Kiss Talcum; Kerkoff		5%	5%	2,900 (.29%)	ND
90	Flamingo Dusting Powder, Tussy	(L1047)	3%	5%	4,000 (.4%)	ND
92	Mavis Talcum; Vivaudou		5%	5%	7,300 (.73%)	ND

SAMPLE #	PRODUCT NAME AND MFG.	CODE	S. Z. Lewin's Results (X-Ray Diff.) Tremolite (%)	Chrysotile (%)	DCST's Results Tremolite (fiber/mg) Optical Microscopy	Chrysotile (%) - DTA
93	Mavis Body Powder; Vivaudou		5%	4%	5,100 (.51%)	ND
94	Tangee; Luft-Tangee		4%	?	2,500 (.25%)	ND
95	ZBT Baby Powder	(B0048)	2%	3%	300 (.03%)	ND
96	Blanchard's Dusting Powder		8%	10%	5,600 (.56%)	-
97	Born Wild Dusting Powder; Del Labs		12%	15%	13,000 (1.3%)	ND
99	A&B Lander Lilacs and Roses Deodorant Body Talc		ND	ND	ND	ND
100	Miss Dior Dusting Powder		ND	ND	trace	-
101	Tai Winds Spray Talc; Avon	(DCC1272)	15%	ND	60,000 (6%)	ND
102	A&B Tosca Dusting Powder		10%	7%	8,900 (.89%)	ND
107	Coty Muguet des Bois Dusting Powder	(2DO)	ND	ND	ND	-
131	Johnson & Johnson Medicated Powder	(1171K)	trace	ND	ND	ND
133	Johnson's Baby Powder	(108T)	ND	ND	ND	ND
134	Johnson's Baby Powder	(109T)	ND	ND	ND	ND
135	Johnson & Johnson Medicated Powder	(0452K)	ND	ND	ND	ND
136	Johnson & Johnson Shower to Shower Body Powder	(C512Z)	ND	ND	ND	ND
137	Johnson & Johnson Shower to Shower Body Powder	(0709X1)	ND	ND	ND	ND
138	Johnson & Johnson Shower to Shower Body Powder	(0872K)	ND	ND	ND	ND
143	Pin-Zow Talque; Perfection Beauty Products, Inc.		5%	10%	1,800 (.18%)	-
144A	Overton's "High-Brown" Face Powder		5%	?	400 (.04%)	ND
145	Softee Face Powder		ND	2%	ND	ND
148	Lady Wayne Face Powder		2%	ND	trace	ND
149	Solitaire Cake Makeup		8%	?	3,000 (.3%)	ND

SAMPLE #	PRODUCT NAME AND MFG.	CODE	S. Z. Lewin's Results (X-Ray Diff.) Tremolite (%)	Chrysotile (%)	DCST's Results Tremolite (fiber/mg) Optical Microscopy	Chrysotile (%)- DTA
151	Early American Old Spice Talcum Powder		ND	ND	ND	-
152	Corsage Dusting Powder; Lander		ND	ND	ND	-
153	Ammens Powder, Medicated		ND	ND	ND	?
154	Bismoline Medicated Powder		2%	ND	200 (.02%)	-
155	Rite Aid Pure Baby Powder		ND	?	ND	ND
156	Warner Pure Baby Powder		2%	ND	200 (.02%)	ND
157A	Mavis Imported Talcum		6%	8%	9,000 (.9%)	ND
158	Avon Brocade Perfumed Talc		ND	ND	ND	ND
159	Avon Blue Lotus Perfumed Talc		ND	?	ND	ND
160	Avon Beauty Dust Refill - Charisma		ND	trace	ND	ND
163	Pinaud Clubman Talc		10%	10%	9,000 (.9%)	-
164	Grand Union Baby Powder	(101672)	ND	1%	trace	-
165	Cashmere-Bouquet	(4212DX)	ND	?	ND	ND
167	Tawny Tone Body Talc From Black Heritage; Beauty Mustus, Inc.		2%	ND	ND	ND
168	Colgate Tooth Powder		ND	ND	ND	ND
169	Dr. Lyon's Tooth Powder		ND	ND	ND	ND
170A	"C" Bouquet Talc; Winarick, Inc.	(2662)	ND	8%	6,300 (.63%)	ND
173A	Corsage Dusting Powder; Lander Co.		ND	?	-	?
175A	Lander Baby Powder		ND	?	-	ND
176A	Lander Lilac & Roses Body Talc		ND	?	-	ND

SAMPLE #	PRODUCT NAME AND MFG.	CODE	S. Z. Lewin's Results (X-Ray Diff.) Tremolite (%)	Chrysotile (%)	DCST's Results Tremolite (fiber/mg) Optical Microscopy	Chrysotile (%)-DTA
178A	Jean Nate Talc No. 60	(2264)	ND	?	-	ND
194	Tinkerbell Dusting Powder; Tom Fields, Ltd.		ND	?	-	ND

(1) Results are shown for only those talc products analyzed by both Lewin and DCST.

(2) ND - Not Detected

(3) DCST tremolite % is based on following conversion: 1000 fibers/mg talc = 0.1% tremolite where average tremolite fiber dimensions are 5 x 15 μm. If it's assumed that microscopist sees 10% of fibers present, % values would be increased 1 order of magnitude.

TABLE I

SUMMARY OF RESULTS OF DCST'S ANALYSES FOR ASBESTOS MINERALS IN TALC SAMPLES REPORTED BY LEWIN TO CONTAIN TREMOLITE AND/OR CHRYSOTILE

Sample No.	S. Z. Lewin's Results (X-Ray Diff.)		DCST'S Results	
	Tremolite (%)	Chrysotile (%)	Tremolite (fiber/mg) Optical Microscopy	Chrysotile (%)-DTA
63	5	ND	36,000 (3.6%)	ND
71	3	ND	ND	ND
77	3	ND	2,800 (0.28%)	?
78	5	ND	96,000 (9.6%)	ND
88	4	5	7,000 (0.7%)	ND
89	5	5	2,900 (0.29%)	ND
90	3	5	4,000 (0.4%)	ND
92	5	5	7,300 (0.73%)	ND
93	5	4	5,100 (0.51%)	ND
94	4	?	2,500 (0.25%)	ND
95	2	3	300 (0.03%)	ND
96	8	10	5,600 (0.56%)	---
97	12	15	13,000 (1.3%)	ND
101	15	ND	60,000 (6%)	ND
102	10	7	8,900 (0.89%)	ND
131	trace	ND	ND	ND

Sample No.	S. Z. Lewin's Results (X-Ray Diff.)		DCST'S Results	
	Tremolite (%)	Chrysotile (%)	Tremolite (fiber/mg) Optical Microscopy	Chrysotile (%)-DTA
143	5	10	1,800 (.18%)	---
144A	5	?	400 (.04%)	ND
145	ND	2	ND	ND
148	2	ND	trace	ND
149	8	?	3,000 (0.3%)	ND
154	2	ND	200 (0.02%)	ND
156	2	ND	200 (0.02%)	ND
157A	6	8	9,000 (0.9%)	ND
160	ND	trace	ND	ND
163	10	10	9,000 (0.9%)	---
164	ND	1	trace	---
167	2	ND	ND	ND
170A	ND	8	6,300 (0.63%)	ND

TABLE II

COSMETIC TALCS ANALYZED BY LEWIN AND
REPORTED TO CONTAIN CHRYSOTILE AND/OR TREMOLITE
WHICH WERE NOT ANALYZED BY DCST
BY EITHER DTA OR OPTICAL MICROSCOPY

Sample No.	Lewin Results (X-Ray Diff.) Tremolite	Chrysotile
66	ND	2%
67	2%	ND
76	5%	ND
91	ND	5%
108	2%	ND
109	2%	?
111	1%	ND
130	trace	trace
172	2%	ND
183	1%	?
184	3%	ND
187	2%	ND
188	1%	?
189	1%	ND

According to John Stuart's notes, the above samples are not present in the lot of Lewin's samples. Inventory of Lewin's talcs verified that DCST does not possess the above samples.

TABLE III

SUMMARY OF DCST'S ANALYSES OF COSMETIC TALC PRODUCTS
BY DIFFERENTIAL THERMAL ANALYSIS (DTA) AND OPTICAL MICROSCOPY (OM)

Analytical Method	Differential Thermal Analysis			Optical Microscopy		
Source	S. Z. Lewin	FAS	Investigational and Consumer	S. Z. Lewin	FAS	Investigational and Consumer
Total Analyzed	78	76	2	57(1)	47	11
Chrysotile Detected	5?(2)	0	0	0	0	0
Tremolite Detected	NA	NA	NA	30	0	0

(1) Includes 25 of 37 samples in which S. Z. Lewin reported presence of tremolite by x-ray diffraction. DCST detected tremolite in 22 of the 25 samples. DCST detected tremolite in 8 samples where S. Z. Lewin reported none detected.

(2) Results on all 5 samples were ambiguous due to interferences and/or low levels of chrysotile.

TABLE IV

SUMMARY OF S. Z. LEWIN'S ANALYSES OF COMMERCIAL COSMETIC TALCS FOR TREMOLITE AND CHRYSOTILE BY X-RAY DIFFRACTION

No. of Samples Analyzed	Samples Only Chrysotile Detected	Samples Only Tremolite Detected	Samples Tremolite and Chrysotile Detected
195	6	24	13

Talc

Talc is an ingredient used in many cosmetics, from baby powder to blush. From time to time, FDA has received questions about its safety and whether talc contains harmful contaminants, such as asbestos.

FDA's authority over cosmetic safety

Under the Federal Food, Drug and Cosmetic Act (FD&C Act), cosmetic products and ingredients, with the exception of color additives, do not have to undergo FDA review or approval before they go on the market. Cosmetics must be properly labeled, and they must be safe for use by consumers under labeled or customary conditions of use. Cosmetic companies have a legal responsibility for the safety and labeling of their products and ingredients, but the law does not require them to share their safety information with FDA.

FDA monitors for potential safety problems with cosmetic products on the market and takes action when needed to protect public health. Before we can take such action against a cosmetic, we need sound scientific data to show that it is harmful under its intended use.

Talc: What it is and how it is used in cosmetics

Talc is a naturally occurring mineral, mined from the earth, composed of magnesium, silicon, oxygen, and hydrogen. Chemically, talc is a hydrous magnesium silicate with a chemical formula of $Mg_3Si_4O_{10}(OH)_2$.

Talc has many uses in cosmetics and other personal care products; in food, such as rice and chewing gum; and in the manufacture of tablets. For example, it may be used to absorb moisture, to prevent caking, to make facial makeup opaque, or to improve the feel of a product.

Asbestos: What it is, why it’s a concern, and how to prevent its occurrence in cosmetics

Asbestos is also a naturally occurring silicate mineral, but with a different crystal structure. Both talc and asbestos are naturally occurring minerals that may be found in close proximity in the earth. Unlike talc, however, asbestos is a known carcinogen. For this reason, FDA considers it unacceptable for cosmetic talc to be contaminated with asbestos.

Published scientific literature going back to the 1960s has suggested a possible association between the use of powders containing talc and the incidence of ovarian cancer. However, these studies have not conclusively demonstrated such a link, or if such a link existed, what risk factors might be involved. Nevertheless, questions about the potential contamination of talc with asbestos have been raised since the 1970s.

To prevent contamination of talc with asbestos, it is essential to select talc mining sites carefully and take steps to purify the ore sufficiently.

How FDA followed up on the latest reports

Because safety questions about the possible presence of asbestos in talc are raised periodically, FDA decided to conduct an exploratory survey of currently marketed cosmetic-grade raw material talc, as well as some cosmetic products containing talc.

Because FDA's cosmetic laboratories do not have the equipment needed to perform the analyses, we searched for a qualified outside laboratory to do the work. We contracted with AMA Analytical Services, Inc. (AMA) of Lanham, MD to conduct this laboratory survey, based on demonstrated experience with asbestos analysis in complex matrices, appropriate facilities, equipment, personnel, analytical strategy, and budget criteria. The study ran from September 28, 2009 to September 27, 2010.

back to top

How the survey was conducted

The first step was to identify cosmetic talc suppliers and talc-containing cosmetic products. We found seven talc suppliers identified in the 2008 edition of the *International Cosmetic Ingredient Dictionary and Handbook* and two more by searching online. The contract laboratory contacted each supplier to request samples of its talc. Of the nine suppliers identified, four complied with the request.

We found talc-containing cosmetic products to analyze by visiting various retail outlets in the Washington, D.C. metropolitan area. The samples identified for testing included low, medium, and high priced products, along with some from "niche" markets, in order to cover as broad a product range as possible. A total of thirty-four cosmetic products containing talc were selected, including eye shadow, blush, foundation, face powder, and body powder. All cosmetic products were purchased from retail stores in the Washington, D.C. metropolitan area.

The contract laboratory analyzed the samples using polarized light microscopy (PLM) and transmission electron microscopy (TEM) methods published by the New York State Department of Health, Environmental Laboratory Approval Program. Each sample was analyzed three times using both methods.

The results of FDA's survey and what they mean

The survey found no asbestos fibers or structures in any of the samples of cosmetic-grade raw material talc or cosmetic products containing talc. The results were limited, however, by the fact that only four talc suppliers submitted samples and by the number of products tested. For these reasons, while FDA finds these results informative, they do not prove that most or all talc or talc-containing cosmetic products currently marketed in the United States are likely to be free of asbestos contamination. As always, when potential public health concerns are raised, we will continue to monitor for new information and take appropriate actions to protect the public health.

The tables below list details for each of the cosmetic-grade raw material talc samples and cosmetic products containing talc that were analyzed in this survey. Limits of detection are shown below the table for each group of samples. Note: "NAD" means "no asbestos detected."

back to top

Cosmetic-grade raw material talc

Supplier	Product Identity	Lot #	% Asbestos by PLM	% Asbestos by TEM
Rio Tinto Minerals/Luzenac America	Imperial 200 USP	H10018	NAD	NAD
Rio Tinto Minerals/Luzenac America	Imperial 250 USP	H10018	NAD	NAD
Rio Tinto Minerals/Luzenac America	Imperial 400 USP	H06049-43	NAD	NAD

Supplier	Product Identity	Lot #	% Asbestos by PLM	% Asbestos by TEM
Rio Tinto Minerals/Luzenac America	Olympic H USP	H04018	NAD	NAD
Rio Tinto Minerals/Luzenac America	Supreme H USP Lot 2	H09219-79	NAD	NAD
Rio Tinto Minerals/Luzenac America	Supra H USP	H10018	NAD	NAD
Rio Tinto Minerals/Luzenac America	Suprafino H USP	H6309-78	NAD	NAD

PLM average limit of quantitation and limit of detection = 0.23% ± 0.01
TEM average limit of detection = 0.0000021% ± 1.26567E-09
TEM average limit of detection = 0.021 ppm ± 0.001
TEM average limit of quantitation = 0.46% ± 0.01

Supplier	Product Identity	Lot #	% Asbestos by PLM	% Asbestos by TEM
Presperse	Micro Ace P-2	33070516	NAD	NAD
Presperse	Micro Ace P-4	37080823	NAD	NAD
Presperse	Rose Talc	2008-09	NAD	NAD
Presperse	Talc NK-48	017 0306	NAD	NAD
Presperse	TalClear BH	070608	NAD	NAD
Presperse	TalClear LH	070529	NAD	NAD

PLM average limit of quantitation and limit of detection = 0.22% ± 0.01
TEM average limit of detection = 0.0000021% ± 3.0099E-09
TEM average limit of detection = 0.021 ppm ± 0.003
TEM average limit of quantitation = 0.43% ± 0.02

Supplier	Product Identity	Lot #	% Asbestos by PLM	% Asbestos by TEM
Sensient Cosmetic Technologies	28355 Talc PP	W249-06	NAD	NAD
Sensient Cosmetic Technologies	28368 Talc NBSB	W080720	NAD	NAD
Sensient Cosmetic Technologies	28460 Talc F-MS	W053-08	NAD	NAD
Sensient Cosmetic Technologies	61631 Talc LCW	26449	NAD	NAD
Sensient Cosmetic Technologies	R0175 Talc FHC	W041397	NAD	NAD
Sensient Cosmetic Technologies	R0255 Talc SI	W05630	NAD	NAD
Sensient Cosmetic Technologies	R0435 Talc AS	W061176	NAD	NAD

PLM average limit of quantitation and limit of detection = 0.22% ± 0.01
TEM average limit of detection = 0.0000022% ± 1.91529E-09
TEM average limit of detection = 0.022 ppm ± 0.002
TEM average limit of quantitation = 0.43% ± 0.01

back to top

Supplier	Product Identity	Lot #	% Asbestos by PLM	% Asbestos by TEM
Brenntag Specialties, Inc.	Talc IMP BC IMP1886L	H01018	NAD	NAD
Brenntag Specialties, Inc.	Supra H USP BC (*1718)	H10016	NAD	NAD
Brenntag Specialties, Inc.	Imperial 400 USP BC (*1883)	H01017	NAD	NAD
Brenntag Specialties, Inc.	Talcron MP 60-30 USP (1745)	B8141N1	NAD	NAD
Brenntag Specialties, Inc.	Talc IMP BC IMP1820L	H07018	NAD	NAD
Brenntag Specialties, Inc.	Talc Imperial USP BC IMP1885L	H10017	NAD	NAD
Brenntag Specialties, Inc.	Lo-Micron USP BC 2755	B7375N2	NAD	NAD

PLM average limit of quantitation and limit of detection = 0.23% ± 0.01
TEM average limit of detection = 0.0000021% ± 2.10373E-09
TEM average limit of detection = 0.021 ppm ± 0.002
TEM average limit of quantitation = 0.46% ± 0.01

Cosmetic products containing talc

Blush:

Brand	Shade	% Asbestos by PLM	% Asbestos by TEM
Maybelline New York Expert Wear Blush	Gentle Rose 109EWBR-30	NAD	NAD
N.Y.C. New York Color Cheek Glow Powder Blush	West Side Wine 652A	NAD	NAD
NARS Blush	Torrid 4017	NAD	NAD

Eye Shadow:

Brand	Shade	% Asbestos by PLM	% Asbestos by TEM

Physician's Formula Shimmer Strips Custom Eye Enhancing Shadow & Liner	Hazel Eyes 2222	NAD	NAD
Black Radiance Eyeshadow Quartet	Retro Chic 8805	NAD	NAD
Stilla Eye Shadow Trio	Venus S461-03	NAD	NAD
Dior 5-Colour Iridescent Eyeshadow	Petal Shine 809	NAD	NAD

Foundation:

Brand	Shade	% Asbestos by PLM	% Asbestos by TEM
Black Opal True Color Liquid Foundation	Heavenly Honey	NAD	NAD
Laura Mercier Foundation Powder	Number 2	NAD	NAD

back to top

Face Powder:

Brand	Shade	% Asbestos by PLM	% Asbestos by TEM
LA Colors Pressed Powder	Nude BPP320	NAD	NAD
Revlon Color Stay Pressed Powder	Fair 810	NAD	NAD
Cover Girl TruBlend Mineral Loose Mineral Powder	Translucent Fair 405	NAD	NAD
Physician's Formula Summer Eclipse Bronzing & Shimmery Face Powder	Moonlight/Light Bronzer 3104	NAD	NAD
Wet n Wild Bronzer	Light/Medium 701	NAD	NAD
Iman Luxury Pressed Powder	Clay Medium Dark	NAD	NAD
Coty Air Spun Loose Face Powder	Translucent 070-24	NAD	NAD
Black Opal Color Fusion Powder	Mosaic Raspberry Bronzer	NAD	NAD
Black Radiance Pressed Powder	Rich Mahogany Acajou riche 8607B	NAD	NAD
Posner Finishing Touch Pressed Powder	Honey Beige 53124	NAD	NAD

Brand	Shade	% Asbestos by PLM	% Asbestos by TEM
N.Y.C. New York Color Loose Face Powder	Translucent 741A	NAD	NAD
Almay Nearly Naked Loose Powder	Light/pale 100	NAD	NAD
Clinique Stay Matte Sheer Pressed Powder	Invisible Matte 101	NAD	NAD
BeneFit Hello Flawless Custom Powder Cover-Up for Face SPF 15	Me Vain? Champagne 1B168	NAD	NAD
Smashbox Fusion Soft Lights Intermix Pressed Powder	Baked Stardust DL 106	NAD	NAD
Guerlain Meteorites Poudre de Perles Illuminating Perfecting Pressed Powder	Mythic Parfait 01	NAD	NAD
Urban Decay Baked Bronzer	Gilded	NAD	NAD

Body Powder:

Brand	Shade	% Asbestos by PLM	% Asbestos by TEM
Johnson's Baby Powder	n/a	NAD	NAD
CVS Brand Baby Powder	n/a	NAD	NAD
Rite Aid Baby Powder	n/a	NAD	NAD
Anti Monkey Butt Powder	n/a	NAD	NAD
Assured Shower & Bath Absorbent Body Powder	n/a	NAD	NAD
Angel of Mine Baby Powder	n/a	NAD	NAD
Family Dollar Mild Baby Powder	n/a	NAD	NAD
Shower to Shower Morning Fresh Absorbent Body Powder	n/a	NAD	NAD

PLM average limit of quantitation and limit of detection = 0.19% ± 0.04
TEM average limit of detection = 0.0000044% ± 1.76229E-08
TEM average limit of detection = 0.044 ppm ± 0.018
TEM average limit of quantitation = 0.39% ± 0.08

back to top

More in Ingredients (/Cosmetics/ProductsIngredients/Ingredients/default.htm)

- Alpha Hydroxy Acids (/Cosmetics/ProductsIngredients/Ingredients/ucm107940.htm)
- Beta Hydroxy Acids (/Cosmetics/ProductsIngredients/Ingredients/ucm107943.htm)
- Diethanolamine (/Cosmetics/ProductsIngredients/Ingredients/ucm109655.htm)
- Fragrances in Cosmetics (/Cosmetics/ProductsIngredients/Ingredients/ucm388821.htm)
- Parabens in Cosmetics (/Cosmetics/ProductsIngredients/Ingredients/ucm128042.htm)
- Phthalates (/Cosmetics/ProductsIngredients/Ingredients/ucm128250.htm)
- Talc (/Cosmetics/ProductsIngredients/Ingredients/ucm293184.htm)

U.S. FOOD & DRUG ADMINISTRATION

Center for Food Safety and Applied Nutrition
Constituent Update

Baby Powder Manufacturer Voluntarily Recalls Product for Asbestos

October 18, 2019

The U.S. Food and Drug Administration (FDA) is alerting consumers about Johnson's Baby Powder Lot #22318RB. A sample from this lot was found to contain chrysotile fibers, a type of asbestos. On October 18, 2019, Johnson & Johnson voluntarily recalled this product, and consumers who have this lot of baby powder should stop using it.
The results from the Johnson & Johnson sample are part of our ongoing survey of cosmetic products for asbestos. This survey started in 2018 and involves the testing of about 50 cosmetic products. As part of the same survey of cosmetic products, a Johnson's Baby Powder sample from a different lot tested negative for asbestos. That sample came from Lot #00918RA.

The FDA expects to issue the full results of its current set of cosmetics testing by the end of the year. These results will include results from cosmetic products that have tested negative, as well as positive. The FDA has been releasing positive results on an ongoing basis to alert consumers to stop using those products. The FDA has also been informing individual manufacturers about their tested products that were found to be negative for asbestos as data are finalized.

The FDA updated a **safety alert** first issued in March about certain cosmetics that contain asbestos. Previously, the FDA warned consumers not to use certain products from Claire's and Beauty Plus Global because they tested positive for asbestos. Both companies have recalled those products.

The FDA will continue to update its safety alert with new information as it becomes available. Consumers may subscribe to receive updates at the bottom of the Cosmetics Recalls and Alerts page.

Additional Information:

- Talc
- Cosmetics Recalls and Alerts
- FDA Statement – March 2019

U.S. Food and Drug Administration
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