

FOOD AND DRUG ADMINISTRATION

Date: February 29, 1972

Reply to
Attn of: BF-430

Subject: Asbestos Content of Dr. Kolbye's sample of Avon Tai Winds Spray Talc

To: Dr. Robert M. Schaffner, Director
Office of Product Technology (BF-400)

As shown in the enclosed analytical worksheet by Mr. Schulze (Division of Microbiology) Dr. Kolbye's sample contained no chrysotile asbestos, but did contain a moderate amount of tremolite asbestos. I asked Mr. Schulze for a semi-quantitative estimate; he said, of the order of 10% - 20%, on a particle count basis (not a weight percent basis).

If Dr. Kolbye agrees, we would like to retain the sample, for inclusion in the series of X-ray diffraction analyses for asbestos.



Alfred Weissler, Ph.D., Acting Director
Division of Colors and Cosmetics Technology

Enclosures

*Thanks
Appreciate the info
A-W*

939
Rec'd CP
FEB 29 1972

8. DESCRIPTION OF THE SAMPLE					
9. AMOUNT (7. HANDLE WITH CARE)		10. DETERMINED FOR		11. DESIGNATED DATE	
12. MANUFACTURER (Name, Street, City, State, Zip)					
13. COLLECTOR'S INITIALS	13a. NAME, STREET ADDRESS, CITY AND STATE				
	13b. CAPSULE 1. (ANALYST'S INITIALS) (Type) 2. (C) NUMBER 3. (C) DATE				
	13c. DATE SHIPPED 13d. AMOUNT SHIPPED 13e. ANALYST'S NUMBER 13f. LOT SIZE				
14. ANALYST'S INITIALS	14a. NAME, STREET ADDRESS, CITY AND STATE				
	14b. INDIVIDUAL IDENTIFYING SAMPLE		14c. INDIVIDUAL IDENTIFYING RECORDS		
15. COLLECTING INSPECTION		15a. DIST.		15b. DATE COLLECTED 15c. COLLECTION REF. NO.	
16. INSPECTION REMARKS					
17. DATE LAST LI			18. RELATED SAMPLES		
19a. LABORATORY CLASSIFICATION (Insert 1-digit code) 1 ☐ 2 ☐ 3 ☐		19b. LABORATORY CONCLUSIONS <i>Analysis of substance detected in G. 19b. 19c. 19d. 19e. 19f. 19g. 19h. 19i. 19j. 19k. 19l. 19m. 19n. 19o. 19p. 19q. 19r. 19s. 19t. 19u. 19v. 19w. 19x. 19y. 19z. 19aa. 19ab. 19ac. 19ad. 19ae. 19af. 19ag. 19ah. 19ai. 19aj. 19ak. 19al. 19am. 19an. 19ao. 19ap. 19aq. 19ar. 19as. 19at. 19au. 19av. 19aw. 19ax. 19ay. 19az. 19ba. 19bb. 19bc. 19bd. 19be. 19bf. 19bg. 19bh. 19bi. 19bj. 19bk. 19bl. 19bm. 19bn. 19bo. 19bp. 19bq. 19br. 19bs. 19bt. 19bu. 19bv. 19bw. 19bx. 19by. 19bz. 19ca. 19cb. 19cc. 19cd. 19ce. 19cf. 19cg. 19ch. 19ci. 19cj. 19ck. 19cl. 19cm. 19cn. 19co. 19cp. 19cq. 19cr. 19cs. 19ct. 19cu. 19cv. 19cw. 19cx. 19cy. 19cz. 19da. 19db. 19dc. 19dd. 19de. 19df. 19dg. 19dh. 19di. 19dj. 19dk. 19dl. 19dm. 19dn. 19do. 19dp. 19dq. 19dr. 19ds. 19dt. 19du. 19dv. 19dw. 19dx. 19dy. 19dz. 19ea. 19eb. 19ec. 19ed. 19ee. 19ef. 19eg. 19eh. 19ei. 19ej. 19ek. 19el. 19em. 19en. 19eo. 19ep. 19eq. 19er. 19es. 19et. 19eu. 19ev. 19ew. 19ex. 19ey. 19ez. 19fa. 19fb. 19fc. 19fd. 19fe. 19ff. 19fg. 19fh. 19fi. 19fj. 19fk. 19fl. 19fm. 19fn. 19fo. 19fp. 19fq. 19fr. 19fs. 19ft. 19fu. 19fv. 19fw. 19fx. 19fy. 19fz. 19ga. 19gb. 19gc. 19gd. 19ge. 19gf. 19gg. 19gh. 19gi. 19gj. 19gk. 19gl. 19gm. 19gn. 19go. 19gp. 19gq. 19gr. 19gs. 19gt. 19gu. 19gv. 19gw. 19gx. 19gy. 19gz. 19ha. 19hb. 19hc. 19hd. 19he. 19hf. 19hg. 19hi. 19hj. 19hk. 19hl. 19hm. 19hn. 19ho. 19hp. 19hq. 19hr. 19hs. 19ht. 19hu. 19hv. 19hw. 19hx. 19hy. 19hz. 19ia. 19ib. 19ic. 19id. 19ie. 19if. 19ig. 19ih. 19ii. 19ij. 19ik. 19il. 19im. 19in. 19io. 19ip. 19iq. 19ir. 19is. 19it. 19iu. 19iv. 19iw. 19ix. 19iy. 19iz. 19ja. 19jb. 19jc. 19jd. 19je. 19jf. 19jg. 19jh. 19ji. 19jj. 19jk. 19jl. 19jm. 19jn. 19jo. 19jp. 19jq. 19jr. 19js. 19jt. 19ju. 19jv. 19jw. 19jx. 19jy. 19jz. 19ka. 19kb. 19kc. 19kd. 19ke. 19kf. 19kg. 19kh. 19ki. 19kj. 19kl. 19km. 19kn. 19ko. 19kp. 19kq. 19kr. 19ks. 19kt. 19ku. 19kv. 19kw. 19kx. 19ky. 19kz. 19la. 19lb. 19lc. 19ld. 19le. 19lf. 19lg. 19lh. 19li. 19lj. 19lk. 19ll. 19lm. 19ln. 19lo. 19lp. 19lq. 19lr. 19ls. 19lt. 19lu. 19lv. 19lw. 19lx. 19ly. 19lz. 19ma. 19mb. 19mc. 19md. 19me. 19mf. 19mg. 19mh. 19mi. 19mj. 19mk. 19ml. 19mm. 19mn. 19mo. 19mp. 19mq. 19mr. 19ms. 19mt. 19mu. 19mv. 19mw. 19mx. 19my. 19mz. 19na. 19nb. 19nc. 19nd. 19ne. 19nf. 19ng. 19nh. 19ni. 19nj. 19nk. 19nl. 19nm. 19nn. 19no. 19np. 19nq. 19nr. 19ns. 19nt. 19nu. 19nv. 19nw. 19nx. 19ny. 19nz. 19oa. 19ob. 19oc. 19od. 19oe. 19of. 19og. 19oh. 19oi. 19oj. 19ok. 19ol. 19om. 19on. 19oo. 19op. 19oq. 19or. 19os. 19ot. 19ou. 19ov. 19ow. 19ox. 19oy. 19oz. 19pa. 19pb. 19pc. 19pd. 19pe. 19pf. 19pg. 19ph. 19pi. 19pj. 19pk. 19pl. 19pm. 19pn. 19po. 19pp. 19pq. 19pr. 19ps. 19pt. 19pu. 19pv. 19pw. 19px. 19py. 19pz. 19qa. 19qb. 19qc. 19qd. 19qe. 19qf. 19qg. 19qh. 19qi. 19qj. 19qk. 19ql. 19qm. 19qn. 19qo. 19qp. 19qq. 19qr. 19qs. 19qt. 19qu. 19qv. 19qw. 19qx. 19qy. 19qz. 19ra. 19rb. 19rc. 19rd. 19re. 19rf. 19rg. 19rh. 19ri. 19rj. 19rk. 19rl. 19rm. 19rn. 19ro. 19rp. 19rq. 19rr. 19rs. 19rt. 19ru. 19rv. 19rw. 19rx. 19ry. 19rz. 19sa. 19sb. 19sc. 19sd. 19se. 19sf. 19sg. 19sh. 19si. 19sj. 19sk. 19sl. 19sm. 19sn. 19so. 19sp. 19sq. 19sr. 19ss. 19st. 19su. 19sv. 19sw. 19sx. 19sy. 19sz. 19ta. 19tb. 19tc. 19td. 19te. 19tf. 19tg. 19th. 19ti. 19tj. 19tk. 19tl. 19tm. 19tn. 19to. 19tp. 19tq. 19tr. 19ts. 19tt. 19tu. 19tv. 19tw. 19tx. 19ty. 19tz. 19ua. 19ub. 19uc. 19ud. 19ue. 19uf. 19ug. 19uh. 19ui. 19uj. 19uk. 19ul. 19um. 19un. 19uo. 19up. 19uq. 19ur. 19us. 19ut. 19uu. 19uv. 19uw. 19ux. 19uy. 19uz. 19va. 19vb. 19vc. 19vd. 19ve. 19vf. 19vg. 19vh. 19vi. 19vj. 19vk. 19vl. 19vm. 19vn. 19vo. 19vp. 19vq. 19vr. 19vs. 19vt. 19vu. 19vv. 19vw. 19vx. 19vy. 19vz. 19wa. 19wb. 19wc. 19wd. 19we. 19wf. 19wg. 19wh. 19wi. 19wj. 19wk. 19wl. 19wm. 19wn. 19wo. 19wp. 19wq. 19wr. 19ws. 19wt. 19wu. 19wv. 19ww. 19wx. 19wy. 19wz. 19xa. 19xb. 19xc. 19xd. 19xe. 19xf. 19xg. 19xh. 19xi. 19xj. 19xk. 19xl. 19xm. 19xn. 19xo. 19xp. 19xq. 19xr. 19xs. 19xt. 19xu. 19xv. 19xw. 19xx. 19xy. 19xz. 19ya. 19yb. 19yc. 19yd. 19ye. 19yf. 19yg. 19yh. 19yi. 19yj. 19yk. 19yl. 19ym. 19yn. 19yo. 19yp. 19yq. 19yr. 19ys. 19yt. 19yu. 19yv. 19yw. 19yx. 19yy. 19yz. 19za. 19zb. 19zc. 19zd. 19ze. 19zf. 19zg. 19zh. 19zi. 19zj. 19zk. 19zl. 19zm. 19zn. 19zo. 19zp. 19zq. 19zr. 19zs. 19zt. 19zu. 19zv. 19zw. 19zx. 19zy. 19zz.</i>			
20a. NAME AND TITLE		20b. SIGNATURE		20c. DATE	
21a. DISTRICT CONCLUSIONS 1 ☐ 2 ☐ 3 ☐		21b. RECOMMENDATION			
22a. NAME AND TITLE (DISTRICT)		22b. SIGNATURE		22c. DATE	
23a. DISTRIBUTION	23b. SERIES NO.	23c. LABEL NO.	23d. OT. IN. ENC.	23e. TOTAL	

3. SEALS ☐ INTACT ☐ BROKEN ☐ NONE		4. DATE RECVD 2/14/72	5. RECEIVED FROM H. W. Stevenson, BF-433	6. DISTRICT OR DIVIS Div. of Micro.
7. DESCRIPTION OF PRODUCT One can labeled, in part, "Avon / Tai Winds / Spray Talc ... Net Wt 7 oz. . Avon Products, Inc., New York, N. Y. 10020," and identified "Sample # DCC 1 2-14-72, DWS."				

8. NET CONTENTS DECLARED	☐ NOT APPLICABLE FOUND()	% OF DECLARED	9. LABELING ☐ NONE	SUBMITTED: ☐ ORIG ☐ COPIES
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10. SUMMARY OF ANALYSIS

The sample was examined to determine whether it contains asbestos. Op crystallographic examination shows that the sample consists of talc together with crystalline impurities, none of which is chrysotile asbestos. One of the impurities is a moderate amount of what was identified as tremolite, an asbestos mineral. This is present mainly in the form of biaxial negative rods and needles with positive elongation and inclined extinction. Refract indices were found to be: alpha 1.595, beta 1.617, and gamma 1.524.

11. RESERVE SAMPLE

To be returned to H. W. Stevenson, Division of Colors and Cosmetics Technol

12. DATE REPORTED 2/18/72	13A. ANALYST'S NAME Arnold E. Schulze	13B. NO.	PC	14. CALCULATIONS CHECKED	BY DATE
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15. PROGRAM DATA

OPERATION

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ACTIVITY

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1

2

3

PROBLEM

HOURS

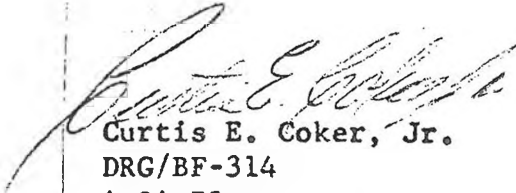
LAB FINDINGS (Report "Y"
yes or "N" no, as applicable.)

R M F L

METHOD

PRESENTATION TO COMMITTEE

1. Product: Avon Tai Winds Spray Talc
in aerosol can, Net Wt. 7 oz.
2. Distributor: Avon Products, Inc., New York, N. Y.
3. Sample Reference: M 53444 (DCC 1272)
4. Analysis: Talc composed of approximately 10% tremolite asbestos mineral, present mostly in the form of biaxial negative rods and needles with inclined extinction. No chrysolite asbestos detected. See attached Analyst Worksheet and other attachments.
5. Distribution: Firm distributes nationally.
6. Injuries: None known.
7. Attachments: Five pages.


Curtis E. Coker, Jr.
DRG/BF-314
4-24-72:gp

cc:

Dr. Kolbye
Dr. Forbes
Dr. Weinberger
Dr. Friedman
Dr. Olson
Dr. Gowdy
Mr. Quinn
Dr. Weissler

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

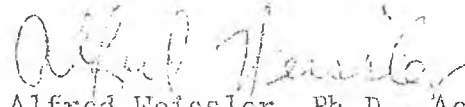
Date: April 21, 1972

Reply to
Attn of: BF-430

Subject: Asbestos Content of Dr. Kolbye's Sample of Avon Tai Winds Spray Talc

To: Dr. Albert C. Kolbye, Deputy Director
Bureau of Foods (BF-2)

The finding by Mr. Schulze by microscopy, that Avon Tai Winds Spray Talc contains tremolite asbestos in amounts of the order of 10%, has been confirmed by Professor S. Z. Levin of New York University, using the X-ray diffraction technique. Mr. Schulze's results were reported by me in a memorandum to Dr. Schaffner dated February 29, 1972. A copy of this memorandum and Mr. Schulze's work sheet is attached.



Alfred Weissler, Ph.D., Acting Director
Division of Colors and Cosmetics Technol

cc:
BF-400

NOTE: DO NOT USE THIS ROUTE SLIP TO
SEND FOR THE CARRIER OR A REPLY

DATE 2-29-72

TO:

AGENCY ELDC. ROOM

Dr. Kolbye, BF-1

- ☐ A. APPROVAL ☐ REVIEW ☐ F. D. CONVERSION
- ☐ SIGNATURE ☐ NOTICE OF ACTION ☐ IF DELETED
- ☐ COMMENT ☐ NOTES AND RETURN ☐ DISSEMINATION
- ☐ FOR YOUR INFORMATION
- ☐ FASTEST REPLY FOR CLERK FOR ME

REMARKS: Re: Avon Tai Winds Spray Talc.

Attached is the cosmetic report on this case. We will retain the sample and have X-ray diffraction analyses made if you agree.

To Robert M. Schaffner, Ph.D., Director
From Office of Product Technology, BF

PHONE	BUILDING	ROOM
28257	FB-8	4827

FORM 100-10-80 REV. 11/70 ROUTE SLIP GPO: 1970-0-300-000