

MEMORANDUM

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

APPENDIX A

TO : Dr. Alfred Weissler *A Weissler*
Acting Director
Division of Color Technology (BF-430)

DATE: May 30, 1973

FROM : Microanalytical Branch
Division of Microbiology (BF-216)

SUBJECT: Microscopic examination of cosmetic talc products for asbestos minerals

The samples of commercial cosmetic products containing talc, which were returned to us by Dr. Lewin of New York University, were examined by means of the polarizing microscope to determine whether they contain asbestos minerals. Results are reported below.

- # 58. No asbestos minerals seen.
- # 60. No asbestos minerals seen.
- # 61. No asbestos minerals seen.
- # 63. Moderate amount of tremolite.
- # 70. Small amount of tremolite.
- # 71. No asbestos minerals seen.
Considerable amount of fibrous material within refractive index range of talc.
- # 72. No asbestos minerals seen.
Large amount of very fine material which partly obscures the talc.
- # 74. Small amount of tremolite.
Large amount of corn starch.
- # 77. Small amount of tremolite.
Large amount of very fine material which partly obscures the talc.
- # 78. Moderate amount of tremolite.
- # 80. No asbestos minerals seen.
- # 85. No asbestos minerals seen.
- # 87. No asbestos minerals seen.
Large amount of very fine material partly obscures the talc.

- # 88. Large amount of tremolite.
- # 89. Large amount of tremolite.
- # 90. Large amount of tremolite.
Some talc grains have striations resembling chrysotile fibers.
- # 92. Large amount of tremolite.
Some talc grains/striations resembling chrysotile fibers.
have
- # 93. Large amount of tremolite.
- # 94. Large amount of tremolite.
Large amount of platy material which may be antigorite.
- # 96. Moderate amount of tremolite.
Some talc grains have striations resembling chrysotile fibers.
- # 97. Large amount of tremolite.
Moderate amount of platy, striate material which may be antigorite.
- # 99. No asbestos minerals seen.
Talc not definitely identified.
Large amount of platy unidentified material.
Large amount of quartz.
- #100. Very small amount of tremolite.
Some talc grains have striations resembling chrysotile fibers.
- #101. Large amount of tremolite.
Talc not definitely identified.
Large amount of platy, striate material which may be antigorite.
- #102. Large amount of tremolite.
- #107. No asbestos minerals seen.
- #148. Small amount of tremolite.
Large amount of very fine material which partly obscures the
other material.
- #149. Tremolite present.
Large amount of very fine material which partly obscures ther
other material.
- #152. No asbestos minerals seen.
Large amount of quartz.

#154. Small amount of tremolite.

#163. Large amount of tremolite.

#164. No asbestos minerals seen.

Some talc grains have striations resembling chrysotile fibers.

(Arnold E. Schulze)
Arnold E. Schulze