



walter c. mcrone associates, inc.

CONSULTING: ULTRAMICROANALYSIS • MICROSCOPY • SMALL PARTICLE PROBLEMS • SOLID-STATE CHEMISTRY

16 November 1977

Dr. J. P. Simko, Jr.
Colgate-Palmolive Company
909 River Road
Piscataway, New Jersey 08854

Dear Dr. Simko:

This letter confirms the telephoned results of our microscopical examination of your two samples, French Talc - Lot 5854 - 11/3 and Talc 1615 - Lab #4811 - 11/3.

You had noted in your letter of November 7 that both samples contain particles which show the right microscopical dispersion staining colors for tremolite but the wrong morphology. We have identified these particles as apatite.

We also found a small amount of tremolite in Talc 1615 but none in the French talc. This is consistent with your XRD results. The other minerals identified are noted on the enclosed laboratory report sheets. If you have any questions please let me know.

With best wishes,

Sincerely,

Lucy B. McCrone
Senior Research Scientist

LBM:fe
encl.
ref: 5500

2820 SOUTH MICHIGAN AVENUE • CHICAGO, ILLINOIS 60616 • 312/642-7100 • CABLE: CHEMICRONE

McCRONE 0075

COL 00551

Date 9 November 1977

Client COLGATE-PALMOLIVE COMPANY

MA Project 5500

Sample Description FRENCH TALC, LOT 5854 11/3

X-RAY DIFFRACTION

Serpentine Content _____

Amphibole Content _____

Comments _____

LIGHT MICROSCOPY

Serpentine Content none detected

Amphibole Content none detected

Comments Apatite, quartz, calcite and dolomite are
present in the talc. The amount of quartz is greater
than in Talc 1615.

Lucy B. McCrone

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McCRONE 0076

COL 00552

Date 9 NOVEMBER 1977

Client COLGATE-PALMOLIVE COMPANY

MA Project 5500

Sample Description TALC 1615, LAB #4811, 11/3

X-RAY DIFFRACTION

Serpentine Content _____

Amphibole Content _____

Comments _____

LIGHT MICROSCOPY

Serpentine Content none detected

Amphibole Content tremolite detected

Comments A small amount of tremolite is present, mainly as relatively equant prism fragments - a few of these would be called fibers by OSHA. Other minerals present besides talc are apatite, a little quartz and dolomite.

Lucy B. McCrone

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McCRONE 0077

COL 00553