

Cyprus Industrial Minerals Company

CALL REPORT

SALESMAN

ACCOMPANIED BY

DATE

RWG

7/14/76

TIME

telephone

INDUSTRY CODE

211

COMPANY

ADDRESS

INDUSTRY

Colgate Polmolive Res. Center

Piscataway, NJ

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Frank Marshner - Toiletries Div.

OBJECTIVE:

Return call.

SUMMARY:

Frank wanted to know lot number of two bags of Olympic talc sent to his attention for testing. After checking with Jackie Spyra, I called Frank back and told him that it was lot number 919G which was made around May 1st, 1976. This was the information that Frank needed so that they have an actual lot number to work with. The evaluation is progressing on schedule according to Frank and he asked that I get in touch with him in a few weeks. Which I will do.

ACTION REQUIRED:

Check with Frank Marshner later on in the summer.

RWG/kah

rec'd: 7/16/76

typ'd: 7/16/76

P X D Ex. No.: 27
Deponent: H. MULRYAN
Date: 1/28/76
Shirley Q. Casilan, CSR No. 12361

FOLLOW-UP

PLAINTIFF'S
EXHIBIT
CAM-70

CYPRUS
CYP00000682

Cyprus Industrial Minerals Company

CALL REPORT

SALESMAN

RWG

ACCOMPANIED BY

DATE

9/30/76

TIME

telephone

INDUSTRY CODE

Z-1

COMPANY

ADDRESS

INDUSTRY

Colgate Polmolive Res. Center

Piscataway, NJ

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Frank Marshner - Lab Mgr.

in 9/21

OBJECTIVE:

Try to get Frank or Carl Shumway to our dinner party in Washington at the CTFA.

SUMMARY:

Neither gentleman are going to Washington but I did set up a luncheon date with Frank and Carl when LDM is in the east. There won't be too much to report on the Olympic talc situation as it is still being evaluated but I wanted LDM to meet the key personnel here.

ACTION REQUIRED:

Meet with Carl Shumway and Frank Marshner in early September.

RWG/kah

rec'd: 9/15/76
typed: 9/15/76

FOLLOW-UP

CYPRUS

CYP00000681

Cyprus Industrial Minerals Company
Talc Division

CALL REPORT

RWG

10/21/76

TIME

INDUSTRY CODE

telephone

Z-1

COMPANY

Colgate Res. & Dev. Center

ADDRESS

Piscataway, NJ

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Frank Marshner - Gp. Leader Toiletries.

hmm/s

OBJECTIVE:

Inform Frank that we would charge \$5.00/ton for running XRD, TEM and if a fiber is indicated SAED.

SUMMARY:

Frank seemed to think this was fair enough and would take it with their analytical department. Told Frank I would get him a quote in writing and would copy it to Margaret Lewis in New York City. The panel test has been run but Frank has not gotten the results yet. Told him I would give him a call in a week or so.

AC

ACTION REQUIRED:

Send appropriate letter to Frank Marshner quoting price on Olympic talc.

Follow up.

RWG/kah

rec'd/typed: 11/1/76

FOLLOW - UP

CYPRUS
CYP00000678

Cyprus Industrial Minerals Company

CALL REPORT

SALESMAN

RWG

ACCOMPANIED BY

DATE

11/1/76

TIME

45 min

INDUSTRY CODE

Z-1

COMPANY

Colgate R&D

Piscataway, NJ

ADDRESS

INDUSTRY

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Carl Shumway - Gp. Leader

m 11/26

OBJECTIVE:

Discuss Olympic talc panel test.

SUMMARY:

Panel test has been completed and the panel split 50/50 on our talc vs competition's. Therefore we have been approved and Carl requested that I call Frank Marshner who is on vacation, later in the week and set up our next meeting which will take place in Piscataway and will include key purchasing personnel. We will probably start getting business here January 1.

ACTION REQUIRED:

Contact Frank Marshner and set meeting and follow up.

RWG/kah

rec'd/typed: 11/8/76

FOLLOW-UP

CYPRUS

CYP00000677

Cyprus Industrial Minerals Company

SALESMAN

ACCOMPANIED BY

DATE

RWG

11/8/76

TIME

telephone

INDUSTRY CODE

Z-1

CALL REPORT

COMPANY

ADDRESS

INDUSTRY

Colgate Polmolive R&D Center

Piscataway, NJ

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Frank Marshner - Gp. Leader

RM 11/23

OBJECTIVE:

Discuss Olympic talc.

SUMMARY:

Frank confirmed what Karl Shumway told me earlier, that Olympic has been approved. However, Frank has been asked by Joe Simko, the head of the analytical dept. if it were possible to have an optical micrograph included with the other analytical work we will be doing on the Olympic for Colgate. Told Frank I would discuss with LDM and probably have LDM call Joe Simko directly. Frank claims that the fragrance testing should be done the end of November or early December and that a meeting should be set up after that time. I asked Frank to give me a call when he was ready to set up that meeting.

*det. phase contrast
in bulk sample
5/100 at 30/h.
150*

ACTION REQUIRED:

Wait for Frank's call and contact LDM and discuss situation additional analytical work for Olympic talc.

RWG/kah

① RWG PAC 12-13-74

- ① Only reason for law writing phase contrast microscope is it is cheaper than XRD & other methods*
- ② If they want XRD, SEM, TEM/SAED & also optical, then the charge to do the extra optical is approx 5 hrs at \$30/hr or \$150 per sample. This translates to an extra \$2 1/2 /ton (60 ton cars). Now - do they still want this?*

FOLLOW-UP

CYPRUS

CYP00000676

Cyprus Industrial Minerals Company

SALESMAN

ACCOMPANIED BY

DATE

RWG

12/13/76

TIME

INDUSTRY CODE

CALL REPORT

telephone

Z-1

COMPANY

ADDRESS

INDUSTRY

Colgate Research Center Piscataway, NJ

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Frank Marshner - Chief Chemist

OBJECTIVE:

Make appointment to see Frank with LDM.

SUMMARY:

Made the appropriate appointment however, Frank claims that although our material passed the panel test from slip, that it has failed fragrance testing. Told Frank that I would like to discuss this with him when LDM and I meet with him on December 21.

ACTION REQUIRED:

Meet with Frank and Carl Schumway and bring along a new sample of Olympic talc.

RWG/kah

FOLLOW-UP

CYPRUS

CYP00000675

Cyprus Industrial Minerals Company

SALESMAN

OGC

ACCOMPANIED BY

DATE

12/20/76

CALL REPORT

TIME

telephone

INDUSTRY CODE

Z-1

COMPANY

Colgate Polmolive Co.

ADDRESS

Jeffersonville, Indiana

INDUSTRY

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Jerry McAdams - Coordinator

Miller

OBJECTIVE:

Follow up on basis of RWG's call report advising Olympic talc had been approved for use in this plant.

SUMMARY:

No talc production is planned for 1977 in Colgate's Jeffersonville plant.

DETAILS:

Mr. McAdams replaces Gene Bricker who will retire December 31, 1976. Jerry advised they brought in their last shipment of talc from Charles Mathew, the week of December 13. Present plans are to disassemble the talc packaging equipment in the Jeffersonville plant and use this space for other purposes. Apparently all of their talc packaging will now be done in Jersey City.

(X) RWG
PAC
1-13-77

ACTION:

A letter has been sent to Jerry McAdams advising him how to contact us in the event Colgate's plans are changed and they may wish to order from us.

I will recontact him on the phone in approximately 6 months, unless I hear otherwise from Ron via call reports or note.

OGC/kah

FOLLOW-UP

CYPRUS

CYP00000674

Cyprus Industrial Minerals Company
Talc Division

CALL REPORT

RWG with LDM

12-21-76

TIME

INDUSTRY CODE

1 1/2 hours

Zi

COMPANY

ADDRESS

Colgate Research and Development Center, Piscataway, New Jersey

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Karl Shumway, Toiletries Division

OBJECTIVE:

Determine if we will be able to gain orders for Olympic talc here starting in January.

SUMMARY:

Unfortunately, the Olympic talc has failed the fragrance test. At this time we left off a bag of Olympic talc with a different grind and Karl will have that tested by the fragrance group. The biggest problem as Karl sees it is that they would have to go through another pannel test with this different material and this costs about \$5,000. We told Karl that there shouldn't be any physical differences that they could notice in the pannel test but Karl claims that they would have to go through with it anyway. The meeting ended with Karl deciding to check the new sample of Olympic and additional old sample of Olympic that they have and check them side by side versus the Alpine talc that they are presently buying. In this way they will be able to get a up to date reading on the fragrance stabilities of each of those products. We are hoping that we will be able to get an approval here but it looks like orders will be sometimes off.

ACTION REQUIRED:

Check back with Karl sometimes after the new year.

RWG:pac

Tped. 1-18-77

FOLLOW-UP

CYPRUS

CYP00000670

7:15 PM
Cyprus Industrial Minerals Company

CALL REPORT

RWG

9-26-77

TIME

Telephone

INDUSTRY CODE

Z1

COMPANY

ADDRESS

INDUSTRY

Colgate Research and Development Center, Piscataway, N.J.

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Frank Schebece - Chemist

RECEIVED

NOV 03 1977

L. E. FERREIRA

OBJECTIVE:

Return call.

SUMMARY:

Frank wanted to know if the sample of classified talc that I sent to him had a lot number. I told him that this was an experimental material that we could not make it tomorrow if he needed it in large quantities but if he did have interest we could get a larger amount made. He accepted my information and did mention that he thought it was a beautiful looking cosmetic talc. This slip is apparently excellent according to Frank and it has all the qualities that they would like and he is putting it up for fragrance testing immediately. Lets hope it looks interesting and we will go from there.

*Interview
Classified
D. head?
Jae
Yes VSP talc
fines taken
out with
J.S. Mani*

ACTION REQUIRED:

Check back with Frank Schebece in a few weeks.

RWG:pac

Received: 10-03-77

Typed: 10-10-77

CYPRUS

CYP00000831

Cyprus Industrial Minerals Company
Talc Division

CALL REPORT

SALESMAN

ACCOMPANIED BY

DATE

R.W. Grexa

11/9/77

TIME

INDUSTRY CODE

1-1/2 incl. Lunch

Z1

COMPANY

ADDRESS

Colgate Research Center

Piscataway, NJ

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Frank Schebece, Chief Chemist

OBJECTIVE: Follow up on classified talc sample sent to Frank for evaluation purposes.

SUMMARY: Frank claims that the classified talc is a little better than the Olympic talc that we previously submitted, but they still rejected the material. In the past, the Olympic talc failed after two weeks under the elevated temperature testing of 110° C and 120° C. The classified talc sample failed after four weeks, however, the room temperature sample seems to be okay and that was not the case with the Olympic talc. The next move is up to us, and, frankly, I do not know where to proceed from here other than to possibly remove a little more of the fines from the classified material. RWG will have to discuss with LDM.

ACTION REQUIRED: Check back with Colgate after discussing entire situation with LDM.

RWG:mr

Received: 11/15/77

Typed: 12/13/77

Can we put chemical on the hole surface or multiply the hole so if want to keep the fragrance?
J. V. Jan 12/14/77

LET Larry - a method of blocking the adsorption of the perfume components look to be the answer.

Cyprus Industrial Minerals Company

CALL REPORT

SALESMAN

RWG

ACCOMPANIED BY

DATE

3/30/76

TIME

1 hr.

INDUSTRY CODE

Z-1

COMPANY

Colgate Polmolive

ADDRESS

New York, NY

INDUSTRY

PERSONNEL AND TITLES (X - INFLUENCES BUYING) (C - CALLED ON)

Margaret Lewis - PA

1/4/76

OBJECTIVE:

Introduce our Olympic talc.

SUMMARY:

Presently using WCD Alpine talc at both their Jeffersonville, Indiana and Jersey City, NJ plants. Margaret estimates usage at approximately 1,000/tons per year and this figure is much lower than what MDH came up with at Jeffersonville. Buying carloads in Jersey City and storing it in a local warehouse and taking it out when necessary. Buying direct truckloads from Alabama to Jeffersonville, Indiana. Margaret extremely happy with their present supplier but would entertain an alternate source. Our delivered price in carloads of 7½¢/pound or less depending on location is higher than competitive prices but I tend to doubt that this is so based on information from other customers. Margaret requested that I send a 5# sample of Olympic talc to Mr. Carl Shumway at their Piscatway, NJ Research Center with a cover letter. This I will do.

ACTION REQUIRED:

Send appropriate ~~sample~~ sample as well as cover letter and follow up.

RWG:kah

rec'd: 4/6/76

typ'd: 4/7/76

FOLLOW-UP

CYPRUS

CYP00000697

Cyprus Industrial Minerals Company

CALL REPORT

MDH

SALESMAN

ACCOMPANIED BY

2/12/76

DATE

40 minutes

Z-1

COMPANY

ADDRESS

INDUSTRY

COLGATE-PALMOLIVE COMPANY, Jeffersonville, IN

PERSONNEL AND TITLES (X - INFLUENCES BUYING) IC - CALLED ON

S. Eugene Bricker, Coordinator

fm 3/3

() RW 6*

OBJECTIVE:

Learn if there was still a one source talc user.

Try to see if we can find a key for Ron Grexa to turn in New York.

SUMMARY:

1. All of their talc is still bought from Whittaker, Clark & Daniels.
2. Bob O'Conner at 300 Park Avenue, New York, is the man to see according to Gene.

DETAILS:

Listed below are the specifications which Colgate-Palmolive has for their talc:

Ap. Density 0.82 ± 0.10 gm/cm³
100% through 100 mesh (US Screen)
98% through 200 mesh minimum
88% through 325 mesh minimum
Alkalinity as Na₂O 2.0% maximum
Acid soluble iron as Fe₂O₃ 0.75% maximum
As 3ppm maximum
Pb 20ppm maximum
Soluble in N/2 Hd 2.0% maximum
Microbiological content 100 col/gm maximum
Bacteriologic Count No gas forming organisms

Run most probable number test per lab SPI 2302 -(see below) using 15 tubes of/fluid thioglycollate containing dextrose with the 10% slurry.

Incubate all tubes at 37°C for 48 hours, inspecting for gas surface bubbles at 18-24 hours and 48 hours.

(Omitted: Eugon broth. Inoculate 5 tubes of)

FOLLOW-UP

CYPRUS

CYP00000698

Initiative due of w/

CJP - Monthly reports by 2nd week of month

HS -

LAB WORK REQUEST

PROJECT NUMBER: 4790-Asbestos COMPANY: CIMC
KEY: Environmental LOCATION: _____
REQUESTED BY: HTM-TB DATE: 12-75
APPROVED BY: [Signature]
PROJECT SUPERVISOR: CJP & HS DATE RECEIVED: 6/3/75

PROBLEM & OBJECTIVE*

Per the Vanderbilt-Grantham Action Plan, Jan. 25, 1975, CIMC's production bales will be checked monthly for Asbestos. This is a continuing project until further notification.

NUMBER OF SAMPLES AND MARKINGS Samples will be marked by: Product
M.A. mill date/affiliation
Blend
Samples will be received monthly from various plants

LAB WORK SUGGESTED*

XRD, XES, Sem, - TEM if required

REMARKS

This work should be report by the 2nd week of each month.

Samples did not start arriving until 6-3-75 [Signature]

Files should be set up for XES, SEM, TEM, etc.

• Discuss if necessary

☒ Pkt. ☐ Deft.
Exhibit No. 39 I.D.
Patricia Ruby, N.P. 8-12-88
Witness [Signature]

file ✓

Laboratory Report

Cyprus Industrial Minerals Company

REPORT NO.: 4790-Asbestos REFERENCES: Bay Street
KEY: ENVIRONMENTAL
DATE OF REPORT: June 16, 1975
DATE OF WORK REQUEST/BY: 1/25/75-H.T. Mulryan
T. Baak COPIES: H. T. Mulryan, M. F. Warner
A. P. Gentsch, L. D. Murino,
J. D. Mulryan, J. Felger,
T. Baak, C. J. Parmentier
REPORTED BY: H. Scholtz CLASSIFICATION: D. L. Harris, H. Scholtz
Handwritten signature
~~APPROVED BY:~~ *(Signature)*
STATUS: COMPLETE

SUBJECT: Samples from Bay Street marked C400, Lot 211, C500, Lot 209, M139, Lot 709, T076, Lot 116, F128, Lot 712, and Furnace Creek Lot 213.

OBJECTIVE: X-ray diffraction was used for asbestos detection.

RESULTS:	Sample	% Tremolite
	M139 Lot 709	0.1%
	C500 Lot 209	0.2%
	All other samples	N.D.

CONCLUSION: Only two of the samples showed traces of asbestos by X-ray diffraction.

(Signature)
H. Scholtz

HS/amv

Laboratory Report

Cyprus Industrial Minerals Company

REPORT NO.: 4790 Asbestos

REFERENCES: Bay Street

KEY: Environmental

DATE OF REPORT: 6/16/75

DATE OF WORK REQUEST/BY: 4/21/75

REPORTED BY: HS

APPROVED BY:

STATUS: Complete

SUBJECT: Samples from Bay Street marked C400 lot 211, C500 lot 209, M139 lot 709, T076 lot 116, F128 lot 712, and ~~00000000~~ Furnace Creek lot 213.

Objective: X-ray diffraction was used for asbestos detection.

sample	% Tremolite
M139 lot 709	0.1%
C500 lot 209	0.2%

Conclusion: only two of the samples showed traces of asbestos by X-ray diffraction.

pe

Laboratory Report

Cyprus Industrial Minerals Company

REPORT NO.: 4790 Asbestos REFERENCES: Keeler
KEY: ENVIRONMENTAL
DATE OF REPORT: June 16, 1975
DATE OF WORK REQUEST/BY: 1/25/75-H. T. Mulryan
T. Baak
COPIES: H. T. Mulryan, M. F. Warner,
A. P. Gentsch, T. Baak,
L.D. Murino, J. Felger, J. D.
Mulryan, D. L. Harris,
REPORTED BY: H. Scholtz
CLASSIFICATION: H. Scholtz
C.J. Parmentier
H. Scholtz
APPROVED BY: *DS*
STATUS: COMPLETE

SUBJECT: Samples from Keeler marked HGO55, Lot 117K, HGO55, Lot 121K, HGO75, Lot 119K, HGO75, Lot 120, M139, Lot 118K, HMR29, Lot 555K, C400, Lot 552K, Trinity Superfine, Lot 554K, Sierrawhite IR, Lot 556K, and Sierralite, Lot 551K.

OBJECTIVE: X-ray diffraction was run on all samples for asbestos indications.

RESULTS:	Samples	% Tremolite
	HGO75 Lot 119K	0.1%
	M139 Lot 118	0.3%
	All other samples	N.D.

CONCLUSION: Only two samples showed asbestos traces by X-ray diffraction.

H. Scholtz
H. Scholtz

HS/amv

CYPRUS

Laboratory Report

Cyprus Industrial Minerals Company

REPORT NO: 4790 Asbestos

REFERENCES: Keeler

KEY: Environmental

DATE OF REPORT: 6/16/75

DATE OF WORK REQUEST/RY: 6/25/75/HIM, T, 3. COPIES:

REPORTED BY: JS

APPROVED BY:

CLASSIFICATION:

STATUS: Complete

SUBJECT: Samples from Keeler marked HGO 55 lot 127K, HGO 55 lot 121K, HGO 75 lot 119K, HGO 75 lot 120, M139 lot. ~~OBJECTIVE~~ HMR 29 lot 555K, C 400 lot 552K, Trinity Asport lot 554K, Sierrawhite IR lot 556K, and Sierrawhite lot 551K.

Objective: Xray diffraction was run on all samples for asbestos indications.

Results:

~~HGO 75~~ lot sample	% Tremolite
HGO 75 lot 119K	0.1%
M 139 lot 118	0.3%
All other samples	N.D.

Conclusion: only ~~two~~ two samples showed ~~two~~ asbestos traces by Xray diffraction.

CYPRUS

LABORATORY REPORT



DIVISION CYPRUS MINES CORPORATION TRENTON, N.J. 08606

REPORT NO.: 7790-10

REFERENCES:

KEY: Warm Springs
Beaverhead
DATE OF REPORT: Electron Micrographs
3/5/69

DATE OF WORK REQUEST/BY: Verbal TB COPIES: TB, DLH, CJP

REPORTED BY: C.J. Parmentier

APPROVED BY: T. Baak

CLASSIFICATION: Confidential

STATUS: Pending

SUBJECT: Beaverhead/Warm Springs Talc

OBJECTIVE: Prepare Electron Micrographs for comparison study

SUMMARY:

Three different grinds of subject talcs were micrographed at 10,000 x and 50,000 x.

	<u>Warm Springs</u>	<u>Beaverhead</u>
Crude	Warm Springs crude	Beaverhead crude Lab #R-1183
325 mesh	C-400 Lot # 1028	Cascade
Vapor ultra fine	Warm Springs ultra fine (Mistron Superfrost)	Beaverhead vapor (Mistron Star)

The main difference between Warm Springs and Beaverhead talc was the presence of acicular particles on all Warm Springs samples.

A handwritten signature in cursive script, appearing to read 'C. J. Parmentier'.

C. J. Parmentier

CJP:sfs

Laboratory Report

Cyprus Industrial Minerals Company

REPORT NO.: 4790-asbestos

REFERENCES:

KEY: Environmental

DATE OF REPORT: 9/4/75

DATE OF WORK REQUEST/BY: HTM

COPIES: HTM, APG, MFW, CRM,
RDL, DFK, JDM, HS, TB, AND CJP

REPORTED BY: H. Scholtz

APPROVED BY: 

CLASSIFICATION:

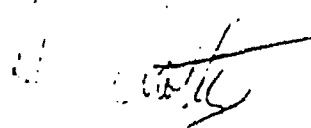
STATUS: Complete

SUBJECT: Eleven talc samples from Bay Street. See attached sheet for sample identification.

OBJECTIVE: X-ray diffraction for tremolite.

RESULTS: See attached sheet.

CONCLUSION: All samples are below the 0.5% tremolite specification.


H. Scholtz

HS:cp

CYPRUS

Attachment for Laboratory Report No: 4790-asbestos
Date of Report: 9/4/75

<u>Sample</u>	<u>Bay Street Lot #</u>	<u>% Tremolite</u>
T-0 76	731	0.2
M. Frost 128	732	ND
Mistron MSC	733	ND
M. Frost 128	734	ND
T-076	735	ND
T-076	736	ND
C400	242	ND
C400	243	ND
Panamint Crude	Car #10711	ND
Panamint Crude	Car #126150	ND
Panamint Crude	Car #108106	ND

TO: H.T. MULRYAN
FROM: P. COLVILLE
SUBJECT: 76-0127-CIM-BS
DATE: May 10, 1976

Report # 1 on Blanket Request

Two samples designated 336 B and 337 B were received and analyzed by X-ray diffraction by D.L. Harris with the following results:

- 336 B Talc with minor dolomite, very minor calcite and Mica, trace of chlorite. Tremolite was not detected. (<.1%)
- 337 B Talc with minor dolomite, very minor calcite and mica, trace of quartz, and chlorite. Tremolite probably ~.1%. This determination is very marginal and based on a slight rise in background where the tremolite peak occurs. Our detection level is .1% and this tremolite is barely detected.

Dr. Harris submitted these two lots to C.J. Parmentier for TEM photographs. Microscope observations confirm the X-ray data.



P. COLVILLE

PC/bb

cc: ESA, GSB, RCC, PC

Laboratory Report

Cyprus Research Company

2435 Military Avenue
West Los Angeles, California
Telephone 213) 478-0462

Filing No. 76-0127-CIM-BS

References:

Key: Talc - R.T. Vanderbilt

Date of Report: 5/04/76

Date of Work Request / By: 4/29/76/H.T.MULRYAN Copies:

Reported By: CJP

Approved By: PC

Classification: CCC

Status: SUPPLEMENT TO 76-0127-CIM-D.L. HARRIS

Subject: SEM of C-400 and C-500 Special Blend Talcs

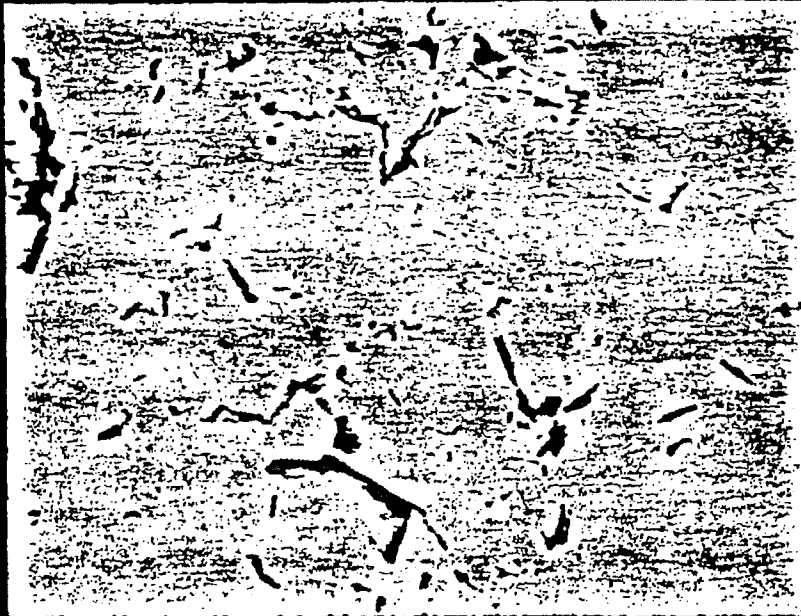
Objective: To prepare micrographs which illustrate each talc sample morphology, and illustrate mineral fibers if present.

Foreword: Two talc samples were submitted by Dr. D. L. Harris, along with a copy of the attached work order. The samples were received labeled as special blends of C-400 and C-500, lot numbers 336 B and 337 B respectively.

These samples were prepared for scanning electron microscopy (SEM) by mixing a few milligrams of talc in ultrapure deionized water and dispersing with ultrasonic energy. A measured aliquot of the resultant dispersion was then applied to a SEM specimen stub, dried, and coated with a vacuum evaporated, thin layer of metal. SEM examination followed at magnifications ranging from 100 x to 10,000 x.

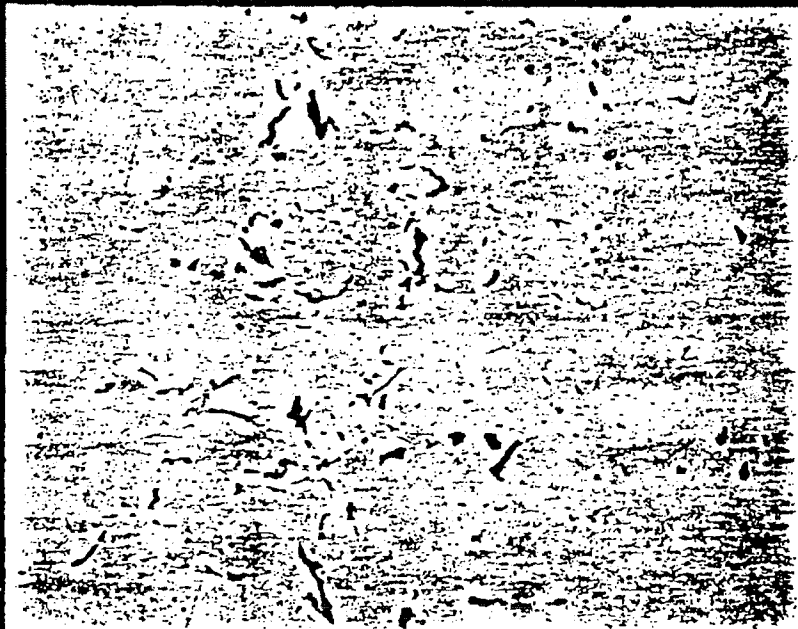
84

C-400 1-106 B SPECIAL BRAND SEM MAG. 12800 5-4-76



μm

C-400 1-106 B SPECIAL BRAND SEM MAG. 3000 5-4-76



CYPRUS RESEARCH COMPANY
LABORATORY REPORT
76-0127-CIM-BS

Summary : Both talc samples were similar in grind, although the C-500 sample appeared to contain more fines. Mineral fibers were apparent in both samples and are illustrated in the attached micrographs. The fiber content was estimated at levels just above a trace (<0.1%)


C.J. PARMENTIER

CJP/bb

CYPRUS RESEARCH COMPANY

OPEN
SAMPLE RECEIPT RETURNER

Phase 1
COMPLETED

5/14/76

CRC PROJECT NUMBER: 76-0127-CIN-BS

KEY WORD: Tab - R.T. Vanderbilt

SUBMITTED BY: H.T. Mulyen DATE: 4/29/76

NUMBER OF SAMPLES RECEIVED: Open DATE: _____

WORK REQUESTED: X-Ray Diffraction & SEM C-500 L³ 3227
C-400³ 336 B

Special blends: check for asbestos

PROJECT MANAGER: DLH

WORK ASSIGNED TO: DLH

ESTIMATED STARTING DATE: 4/30/76

ESTIMATED COMPLETION DATE: Open SEM complete 5.4.76 @ 2hrs
+ 4.00 supplies

ESTIMATED COST OF WORK: _____

CC: D. J. HARRIS

E.S. ALLEN

G. BRANSON

CJP 56 + 4 = 60

DLH 56 - 56 = 116.00

R.C. Chaud

Laboratory Report

Cyprus Research Company

2435 Military Avenue
West Los Angeles, California
Telephone 213) 478-0462

Filing No. 76-0209-CIM-BS

References:

Key: Tremolite in Talc

Date of Report: 7/13/76

Date of Work Request / By: 7/13/76/HTM/RPH

Copies: ESA, GSB, HTM, RPH, Joanne F.
DLH, RCC, **FILE**

Reported By: DLH

Approved By: DLH

Classification:

Status: COMPLETE

Subject: Five Samples Talc

Objective: Tremolite Analysis by XRD

Results: SAMPLE

TREMOLITE

Lot 372 C-400

0.1

Lot 373 C-500

0.15

Lot 369-B C-400

0.1

Lot 856 - 139

0.1

Lot 858 139

0.15

Total charges \$56.00

D. L. Harris
D. L. HARRIS

DLH/bb

CYPRUS

CYPRUS RESEARCH COMPANY

SAMPLE RECEIPT REGISTER

COMPLETED

7/14/76

RCC

CRC PROJECT NUMBER: 76-0209-CIM-BS

KEY WORD : Tremolite in Talc

SUBMITTED BY : HTM/RPH DATE 7/13/76

NUMBER OF SAMPLES RECEIVED: 5 DATE 7/13/76

WORK REQUESTED: XRD for Tremolite

Samples lot 372 C-400

" 373 C-500

" 369-B C-400

" 856 139

" 858 139

PROJECT MANAGER: DLH

WORK ASSIGNED TO: DLH

ESTIMATED STARTING DATE: 7/13/76

ESTIMATED COMPLETION DATE: 7/13/76

ESTIMATED COST OF WORK: \$ 56

CC: D. L. HARRIS
E. S. ALLEN
G. BRANSON

R. C. Clark

SAMPLE RECEIPT REGISTER

COMPLETED

9/19/76
BS
RCL

CRC PROJECT NUMBER: 76-0262 - CINDale - ~~Fort~~

KEY WORD : Thermite / Tube

SUBMITTED BY : HTM DATE 8/11/76

NUMBER OF SAMPLES RECEIVED: 7 DATE 8/11/76

WORK REQUESTED: XRD for Thermite

C-400 / lot 389 FO74 lot 972

C-500 / lot 390 T-076 lot 973

C-400 / lot 391

MSCI lot 871

T-076 lot 871

PROJECT MANAGER: DLH

WORK ASSIGNED TO: DLH

ESTIMATED STARTING DATE: 8/13/76

ESTIMATED COMPLETION DATE: 8/14/76

ESTIMATED COST OF WORK: \$ 2511.00 \$ 74.00

CC: D. L. HARRIS
E. S. ALLEN
G. BRANSON

P. C. Allen

Cyprus Industrial Minerals Company

555 South Flower Street
Los Angeles, California 90071

Telephone 213-489-3700
TWX 910-321-5753
CABLE - "Mistron", Los Angeles

Sales Order
73226

D-U-N-S 00-697-4919

Terms:
Net 30 Days

Sold To

Colgate Palmolive Company
P.O. Box 401
Jersey City, N.J. 07302

Ship To

Colgate Palmolive Company
74 Grand Street
Jersey City, N.J.

SLSMN	OUR CUST. NO.	CUST. ORDER DATE	CUSTOMER ORDER NO.	CUST. REQUESTS A=ARR. S=SHIP	SHIP WEEK OF	
		4/5/79	043810	SHP 10/30		
SHIP FROM		F.O.B.		CAR NUMBER		DATE SHIPPED
CYPRUS		SAME				10-30
SO. PLAINFIELD, NJ #29						
ROUTING						
MOTOR FRT. COLLECT.						
SPECIAL INSTRUCTIONS						
PALLETIZE. CODE THE BGS M-6670 & P.O. #043810						
QTY. ORDERED		PRODUCT NO.		QTY. SHIPPED		PRICE
BAGS	TONS			BAGS	TONS	

800/50 20. MONOBLEND

1765

NOTE: SEND PRE-SHIPMENT SAMPLE

Thank you for your order, which has been numbered and transcribed as shown. If there are any corrections or omissions, please notify us immediately. Please notice we have shown the mill from and the date on which the shipment will **probably** be made. We shall make every effort to ship as indicated, but reserve the right to change mill, shipping dates, and prices without notice.

EXHIBIT	13
WIT:	Mulryan
DATE:	7-17-15
G. LUCAS, RPR, RMR, CRR, CLR	

CYPRUS

CUSTOMER'S ACKNOWLEDGEMENT

CYP00000847

STRAIGHT BILL OF LADING - ORIGINAL - Not Negotiable

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER'S NO.

73226

AGENT'S NO.

SOLD TO

Colgate Palmolive Company
P.O. Box 401
Jersey City, N.J. 07302

CONSIGNEE TO AND DESTINATION

Colgate Palmolive Company
74 Grand Street
Jersey City, N.J.

SLSMN	OUR CUST. NO.	CUST. ORDER DATE	CUSTOMER ORDER NO.	CUST. REQUESTS	SHIP WEEK OF	Shippers imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.
		4/5/79	043810	A=ARR. S=SHIP SHP 10/30		
FROM: CYPRUS		Cyprus Industrial Minerals Company		F.O.B.	CAR NUMBER	DATE SHIPPED
CYPRUS		SAL PLAINFIELD, NJ #29		SAME	705	
ROUTING						Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
NOTOR FRT. COLLECT.						
SPECIAL INSTRUCTIONS						Cyprus Industrial Minerals Company
PALLETIZE. CODE THE BGS M-6670 & P.O. #043810						(Signature of Consignor)
QTY. ORDERED		ITEMS BETWEEN DOUBLE LINES ARE NOT PART OF B/L		PRODUCT NO.	QTY. SHIPPED	
BAGS	TONS				BAGS	TONS

800/30 20. MONOBLEND 1765

Lot # 1091360

NOTE: SEND PRE-SHIPMENT SAMPLE

NO. PACKAGES	KIND OF PACKAGE, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	*WEIGHT (SUB. TO COR.)	CLASS OR RATE	✓
800	BAGS CRUDE GROUND TALC TESTING NOT LESS THAN 99% THRU 200 MESH SCREEN	80,000		
	BAGS CRUDE GROUND TALC OTHER THAN TALC TESTING NOT LESS THAN 99% THRU 200 MESH SCREEN			
	BAGS CRUDE GROUND TALC - GROUND PROCESSED CLAY			
	BAGS TALC TAILINGS-COMMON GROUND CLAY			
	DIATOMACEOUS EARTH			
	TALC, GROUND, COMPACTED INTO PELLETS			

EXHIBIT 12
WIT: Mulryan
DATE: 7-17-15
G. LUCAS, APR, RMR, CRR, CLR

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight". NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically specifically stated by the shipper to be not exceeding per

Cyprus Industrial Minerals Company

Shipper, Per

Agent

Per

Permanent post office address of shipper LOS ANGELES, CAL. 90071

CYP00000848

MONTH	END	DATE	ID#	SA0032	PRODUCT SALES/CUSTOMER BY SALESMAN & REGION
-------	-----	------	-----	--------	---

Q9-R, W. 4

***** MONTH *****										***** YEAR TO DATE *****									
CURR					PLAN					CURR					PLAN				
VAR.					PR/YR					VAR.					PR/VR				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

*****0 TONS LAST YEAR	0	0	0	10,283
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CUST# 97100 - 21st WHITTAKER CALRK & DAN SO. PLAINFIELD, N.J.

PRND 1615 BEAVERHIVE 200
***** TONS LAST YEAR

PROD 1621 #20 NITRON Talc BC
*****40 TONS LAST YEAR

PROD 1705 SUPRA
*****300 TONS LAST YEAR

PROD 1706 SUPRAFINO
*****20 TONS LAST YEAR

PROD 1755 SUPRA EXTRA FINE
*****0 YONS 1 LAST YEAD

PROD 1765 MONDBLEND

PRD 1775 MONSPAN
*****2 FINE *****

MONTH 2 G 12/31/80 ID# SA0037

PRODUCT SALES/CUSTOMER BY SALESMAN & REGION

PAGE

09-R.N. A

**** EASTERN REGION

PR/YR

CUST# 97100 Z1 WHITTAKER CLARK & DAN SO. PLAINFIELD, N.J.

PROD 1780 LOGEB
*****0 TONS LAST YEARPROD 1835 ALTALC 200
*****18 TONS LAST YEARPROD 1836 ALTALC 325
*****35 TONS LAST YEARPROD 1846 ALTALC 300
*****175 TONS LAST YEARPROD 1856 ALTALC 400
*****471 TONS LAST YEARPROD 1866 ALTALC 300
*****11 TONS LAST YEAR

TOTAL - CUST# 97100

CUST# 97102 Z1 WHITTAKER CLARK DANIEL S. PLAINFIELD, NJ

PROD 1775 MONSPAN
*****81 TONS LAST YEARPROD 1856 ALTALC 400
*****71 TONS LAST YEARPROD 1866 ALTALC 300
*****0 TONS LAST YEAR

TOTAL - CUST# 97102

CUST# 97105 Z1 WHITTAKER CLARK & DAN CHICAGO IL

PROD 1846 ALTALC 300
*****0 TONS LAST YEAR

CUST# 97110 Z1 WHITTAKER CLARK & DAN GARLAND TEXAS

PROD 1705 SUPRA
*****0 TONS LAST YEAR

TOTAL - SLSMN Q9

CURR	PLAN	VAR.	PR/YR	CURR	PLAN	VAR.	PR/YR	CURR	PLAN	VAR.	PR/YR
0	0	0	0	0	0	0	0	0	0	0	0
18	18	18	18	130	130	130	130	130	130	130	130
4,128	4,128	4,128	3,723	28,386	28,386	28,386	3,723	28,386	28,386	28,386	3,723
18	18	18	18	130	130	130	130	130	130	130	130
4,290	4,290	4,290	645	28,864	28,864	28,864	645	28,864	28,864	28,864	645
35	35	35	70	421	421	421	15,087	421	421	421	15,087
8,418	8,418	8,418	15,087	93,777	93,777	93,777	35,499	93,777	93,777	93,777	35,499
151	151	151	110	949	949	949	471	949	949	949	471
37,587	37,587	37,587	23,960	228,212	228,212	228,212	165,222	228,212	228,212	228,212	165,222
0	0	0	11	17	17	17	11	17	17	17	11
0	0	0	3,197	4,973	4,973	4,973	3,197	4,973	4,973	4,973	3,197
467	467	467	269	4,330	4,330	4,330	1,072	4,330	4,330	4,330	1,072
140,448	140,448	140,448	63,713	1,259,156	1,259,156	1,259,156	240,518	1,259,156	1,259,156	1,259,156	240,518
0	0	0	17	0	0	0	81	0	0	0	81
0	0	0	3,358	0	0	0	12,574	0	0	0	12,574
18	18	18	0	342	342	342	71	342	342	342	71
4,533	4,533	4,533	0	79,980	79,980	79,980	16,407	79,980	79,980	79,980	16,407
0	0	0	0	68	68	68	0	68	68	68	0
0	0	0	0	20,512	20,512	20,512	0	20,512	20,512	20,512	0
18	18	18	17	410	410	410	152	410	410	410	152
4,533	4,533	4,533	3,358	100,492	100,492	100,492	28,981	100,492	100,492	100,492	28,981
0	0	0	0	88	88	88	0	88	88	88	0
0	0	0	0	19,503	19,503	19,503	0	19,503	19,503	19,503	0
0	0	0	0	80	80	80	0	80	80	80	0
0	0	0	0	23,310	23,310	23,310	0	23,310	23,310	23,310	0
559-	559-	559-	1,219	17,375	17,375	17,375	6,085	17,375	17,375	17,375	6,085
43,093-	43,093-	43,093-	259,119	4,508,439	4,508,439	4,508,439	1,180,456	4,508,439	4,508,439	4,508,439	1,180,456
1,036	1,036	1,036	1,219	17,375	17,375	17,375	6,085	17,375	17,375	17,375	6,085
300,443	300,443	300,443	259,119	4,508,439	4,508,439	4,508,439	1,180,456	4,508,439	4,508,439	4,508,439	1,180,456
1,595	1,595	1,595	1,219	17,375	17,375	17,375	6,085	17,375	17,375	17,375	6,085
343,536	343,536	343,536	259,119	4,508,439	4,508,439	4,508,439	1,180,456	4,508,439	4,508,439	4,508,439	1,180,456
186.5 % INCREASE FROM PRIOR YEAR TONS	186.5 % INCREASE FROM PRIOR YEAR TONS	186.5 % INCREASE FROM PRIOR YEAR TONS	281.9 % INCREASE FROM PRIOR YEAR SALES	281.9 % INCREASE FROM PRIOR YEAR SALES	281.9 % INCREASE FROM PRIOR YEAR SALES	281.9 % INCREASE FROM PRIOR YEAR SALES	281.9 % INCREASE FROM PRIOR YEAR SALES	281.9 % INCREASE FROM PRIOR YEAR SALES	281.9 % INCREASE FROM PRIOR YEAR SALES	281.9 % INCREASE FROM PRIOR YEAR SALES	281.9 % INCREASE FROM PRIOR YEAR SALES

YEAR ENDING 12/31/81

CYPRUS INDUSTRIAL MINERALS
SALES ANALYSIS BY CUSTOMER

PAGE 94
SA0587R1

CUST#	CUST NAME	CUST ADDR	SO.	IND	LOC-PROD	PRODUCT NAME	YONS	SALES \$	AV/PR
97100	WHIT CLARK & DANIELS	50. PLAINFIELD, N.J.	AI	ZI	29-1705	SUPRA	2,368	963,725	407.00
					29-1706	SUPRA FINE	448	202,000	451.00
					29-1763	MONOBLEND	443	135,880	306.73
					23-1833	ALTALC 200	129	31,313	243.52
					23-1836	ALTALC 325	147	38,053	258.86
					23-1846	ALTALC 300	310	77,472	249.91
					23-1856	ALTALC 400	1,052	281,314	267.41
					23-1866	ALTALC 500	39	11,544	256.00
97102	WHITTAKER CLARK DANIEL	S. PLAINFIELD, NJ	AI	ZI	23-1856	ALTALC 400	232	59,099	254.74
					23-1866	ALTALC 500	34	10,541	310.03
97105	WHITTAKER CLARK&DANIEL	BRIDGEVIEW, IL	AI	ZI	23-1846	ALTALC 300	40	10,730	268.25