

Laboratory Report

Cyprus Industrial Minerals Co.
Technical Center

8985 E. Nichols Avenue
Englewood, CO 80112

PLAINTIFF'S
EXHIBIT
CAM-310

Filing No. 88-240

References:

Key: North Carolina Talc

Date of Report: 10/24/88

Date of Work Request / By: 10/20 - R. Weeks

Copies: R. Weeks, M. Clark,
E. McCarthy, D. Baker,
M. McCune

Reported By: P. Colville

Approved By: P. Colville

Classification Confidential

Status: Complete

Subject: Six samples from flotation test of North Carolina talc prospect.

Objective: Evaluate grade of talc and effect of flotation.

Results:

Mineralogy estimated from X-ray diffraction.

Sample	Product	Flot Conc	Flot Cl. Tail	Flot R. Tail	Flot Re. Cl. Tail
Talc	95	95	81	59	82
Chlorite*	5	5	10	20	15
Dolomite	Tr	Tr	1	1	Tr
Magnesite	Tr	Tr	3	15	1
Quartz	--	--	Tr	.5	Tr
Amphibole	Tr	Tr	5	5	2
LOI	5.33	5.26	8.16	13.02	6.80
GEB	71.2				

The magnetic mineral was separated out of the sixth sample and was identified as magnetite.

CYPRUS

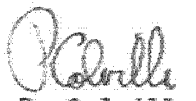
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A slow scan for amphibole on the product showed 0.7%.

*The chlorite peaks appear to be doublets. This means some serpentine may be present. Fibers were not observed so it is probably antigorite. Even the amphibole is blocky rather than acicular.

An acceptable product has not yet been achieved by this beneficiation test.


P. Colville

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