FILE NAME: CTFA (CTFA)

DATE: 1976 Mar 7

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DOCUMENT DESCRIPTION: Handwritten Sampling Notes

	DATE	RPA	SUBJECT	6164- 99
558	3/5/76	36002	X-Ray Diffraction	

Sample Soap JCS-35-7 % Beta-phase content
Warren Rhodarmer

Instrumental Parameters
Sun 40 KV 20 ma Ni filter
Baby-Scherman Camera 114.59 mm I.D.
No - Screen film Kodak
1 hour exposure
Develop + Fix 6 min each.

Sample	% Beta-Phase
Soap JCS-35-7	10 % " "

330	3/8/76	62130	X-Ray Diffraction

Quality check on Raw Talc; Asbestos particularly Amphiboles. Various Talc samples: Old Pigeon North Carolina Talc Lot 2-61-21; New Montana Talc Lot 1-20-61 (1972); Recent Montana Talc Lot 12-4-5 (1975); old Italian Talc EGT-55 and Recent Italian Talc Lot 260215 (1976). Qualitative and semi-quantitative identification for Anthophyllite and Tremolite asbestos. F. Mantschang + Dr. Zoltai

Instrumental Parameters
Sun 40 KV 20 ma Graphite monochromator
Divergence + Scatter slit 1° Receiving 0.006"
Scint. 0.940 KV Att. 128
Step Scan 0.02 Degrees per Step
Fixed Counts 2000 per step
Area Covered 10 TO 11 2 Theta

Sample	Results
Old Pigeon North Carolina Talc Lot 2-61-21	Positive for Tremolite
New Montana Talc Lot 1-20-61 (1972)	*Positive for Anthophyllite + Tremolite
Recent Montana Talc Lot 12-4-5 (1975)	None detected
Old Italian Talc EGT-55	None detected
Recent Italian Talc Lot 260215 (1976)	Positive for Tremolite

* No more than 2% each

SIGNED Raymond Bruno
DATE March 9, 1976

WITNESSED J. P. Smith Jr.
DATE April 6, 1976