

	DATE	RPA	SUBJECT	6164- 99
558	3/5/76	36000	x-Ray Diffraction	
			Sample Soap T-15-74	1/2 Beta-phase content
			Unknown substance	
			Instrumental Parameters	
			Scan 40 KW 20 ma	40 g/ctm
			Dalys. Schuman Camera	114.59 mm I.D.
			Mo-Screen film Kodak	
			Exposure position	
			Develop. & Fix	6 min each.
			Sample	1/2 Beta-phase
			Soap T-15-74	10 % " "
330	3/8/76	62130	x-Ray Diffraction	
			Quality check on River Talc; Asbestos particularly Amphibole. Various Talc samples: old Royal North Carolina Talc Lot 1-41-81; New Montana Talc Lot 100-41 (1972); Recent Montana Talc Lot 12-41-5 (1975); old Italian Talc EGT-55 and Recent Italian Talc Lot 260415 (1976). Qualitative and semi-quantitative identification for Anthrophyllite and Tremolite asbestos. F. M. Schuman & D. S. Schuman.	
			Instrumental Parameters	
			Scan 40 KW 20 ma	Sample measurement
			Dalys. Schuman & Sutton Lot 1"	Receiving 2.00"
			Scint. 0.842 KW	Att. 12"
			Stop Scan 0.02 g/min per stop	
			Fixed Counts 2000 per stop	
			Area covered 10 to 11" x 11"	
			Sample	Results
			Old Royal North Carolina Talc Lot 1-41-81	Positive for Tremolite
			New Montana Talc Lot 100-41 (1972)	*Positive for Anthrophyllite & Tremolite
			Recent Montana Talc Lot 12-41-5 (1975)	None detected
			Old Italian Talc EGT-55	None detected
			Recent Italian Talc Lot 260415 (1976)	Positive for Tremolite
			4 H ₂ O more than 2% each	
SIGNED	F. M. Schuman		WITNESSED	J. P. Smith Jr
DATE	March 7, 1976		DATE	April 1, 1976