

FILE NAME: CTFA (CTFA)

DATE: 1976 March 7

DOC#: CTFA028

DOCUMENT DESCRIPTION: Handwritten Sampling Notes

DATE

RPA

SUBJECT

6164- 99

558

3/5/76

36001

x-Ray Diffraction

Sample Seep JCS-35-74 1/2 Beta-phase content
Warmer incubant

Instrumental Parameters

Cu K α 40 kV 20 mA Ni filter

Debye-Scherrer Camera 114.59 mm I.D.

No-Screen film Kodak

2 hour exposure

Develop. & Fix 6 min each.

Sample

1/2 Beta-phase

Seep JCS-35-74

10 % " "

339

3/8/76

62130

x-Ray Diffraction

Quality check on Run Table: Asbestos particularly
Amphibole. Various Talc samples: Old Royal North
Carolina Talc Lot 2-21-21; New Montana Talc Lot 1-20-21
(1972); Recent Montana Talc Lot 12-4-5 (1975); Old Ita-
lian Talc EGT-55 and Recent Italian Talc
Lot 260215 (1976). Qualitative and semi-quantitative
identification for Anthophyllite and Tremolite asbestos.
F. Manschner & Dis. Schumway.

Instrumental Parameters

Cu K α 40 kV 20 mA Graphite monochromator

Divergence & Scatter slit 1" Receiving 0.026"

Scint. 0.2542 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 Royal North Carolina Talc

Positive for Tremolite

Lot 2-21-21

New Montana Talc Lot 1-20-21 (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

4 No more than 2% each

SIGNED

R. Manschner

WITNESSED

J. P. Smith

DATE March 7, 1976

DATE April 1, 1976

CPC-NB00000061