FILE NAME: Talc (TALC)

DATE: 0000

DOC#: TALC405

DOCUMENT DESCRIPTION: Method for Analysis of Fibers in Talc

METHODS FOR ANALYSIS OF FIBERS IN TALC

METHOD	FIBER ANALYSIS QUAL.	FIBER ANALYSIS QUANT.	MINIMUM PARTICLE SIZE DETECTABLE	LOWER LIMIT OF DETECTABILITY	TIME FOR QUANTITATIVE ANALYSIS
Optical Microscopy	Yes Presence and Kind of Fiber	Yes Point and Area Count	~ 0.5 μ	Not Applicable	1/2 Day
Scanning Electron Microscopy	Presence of Fiber	Yes Point and Area Count	~ 0.1 μ	Not Applicable	One Day
Electron Microscopy	Yes Presence and Kind of Fiber	Yes Point and Area Count	~ 0.01 μ	Not Applicable	One Day
X-Ray Diffraction	Kind of Fiber	Yes (wt/wt)	Minimum Particle Size for Diffraction is ca. 0.1 μ	~ 0.5% More Favorable Cases	Two Hours to a Day Depending on Matrix

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