

ASBESTOS IN TALC DCST METHODOLOGY

METHOD	ADVANTAGES	DISADVANTAGES
1. Optical Microscopy Time: up to 5 hrs	specific Sensitive for tremolite	Particle 5μ or larger Detection of Chrysotile difficult Specialized technique Quantitation difficult
2. X-ray Diffraction Time: 3-4 hrs.	Tremolite specific 0.1-0.2% with step scanning	Chrysotile - Chlorite interference Specialized technique
3. Differential Thermal Analysis Time: 1 hour	Chrysotile specific	sensitivity - 1% or more ~~for~~ chrysotile Not suitable for tremolite

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