

FOURIER-TRANSFORM INFRARED (FTIR) SPECTROSCOPY

Testing Performed At: The Center for Forensic Science Research and Education at the Fredric Rieders Family Foundation (Willow Grove, PA, USA)

Sample Preparation: No sample preparation

Instrument: Thermo Scientific Nicolet iS5 FTIR with a single-bounce iD7 diamond attenuated total reflectance (ATR) accessory

Parameters: Resolution: 4 cm⁻¹
Scans: 32
Spectral range: 4000 to 400 cm⁻¹

Analysis Notes: Sample applied directly to crystal
Pressure tower was used to ensure consistent contact
