



Now AIHA Accredited Crystalline Silica by XRD



Fast Respirable Crystalline Silica Analysis <1.0 microgram lower limit of detection

Crystalline silica is one of the most common mineral components found in the earth's crust. Crystalline silica is found in numerous materials including sand, stone, rock, concrete, brick, glass, ceramics, block and mortar. Crystalline silica may become respirable size particles, and hazardous to respiratory health when workers chip, cut, drill or grind objects that contain crystalline silica. OSHA significantly lowered the PEL and Action Levels for Respirable Crystalline Silica in 2017. J3 Resources performs X-Ray Diffraction analysis of air, bulk and other material samples (talcs). J3's PANalytical CubiX3 HR X-Ray Diffractometer (XRD) complete with the newly released Bragg-Brentano^{HD} optic was acquired in 2017. The XRD was custom-manufactured in the Netherlands specifically for the detection and identification of Respirable Crystalline Silica as low as 1 µg. With the new patented technology, samples that used to take hours can now be completed within minutes.

*An AIHA-LAP, LLC, NVLAP, Woman Owned,
Independent Commercial IH Laboratory*



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