CRYSTALLINE SILICA

Crystalline silica is a common mineral found in many common materials such as sand and concrete, and is used to create products such as glass, ceramics and bricks. When workers grind, crush or drill these materials, they can get exposed to very small particles of respirable crystalline silica, commonly referred to as silica dust. Millions of workers are affected by silica in construction and other industries, and its health effects can be debilitating or even life threatening. To protect workers against exposure to respirable crystalline silica, OSHA has issued two respirable crystalline silica standards: one for construction, and the other for general industry and maritime.

HOW CAN BUREAU VERITAS HELP YOU?

Bureau Veritas routinely analyzes air samples for the presence of crystalline silica to protect worker safety. The NIOSH 7500 x-ray powder diffraction method is used at our laboratory to accurately break down the sample and identify polymorphs of silica. This method is compliant with OSHA’s latest guideline (OSHA 29 CFR 1910.1053, Appendix A). Our analyses can be used to assess results against the various exposure limits for respirable crystalline silica such as the OSHA Permissible Exposure Limit or ACGIH Threshold Limit Value. Bureau Veritas is flexible in finding a method that meets your needs—either a compendium method or a customized solution. Our technical specialists can find the most viable method and help with selecting the right sampling media for your analysis, whether it is samplers, cyclone, IOM or PPI. Bureau Veritas is one of a few laboratories in North America that accepts such a variety of sampling media, and as such, our staff are experts in media selection.

ABOUT US

Bureau Veritas has been a leading provider of Industrial Hygiene analytical services in North America for more than 60 years. Our laboratories have been accredited by the American Industrial Hygiene Association Laboratory Accreditation Program (AIHA-LAP, LLC) since 1974.

We offer a broad range of test methods published by OSHA, NIOSH, the Environmental Protection Agency (EPA), ISO and scientific journals.

Clients have to come to rely on Bureau Veritas for our expertise in sampling and analytical methods, reliability, and exceptional customer service. Our service teams have years of combined industry experience, and we’re always available to answer your sampling questions.