









Silica Analyzer Highlights

- Rapid analysis of samples, on-site and at the end of a shift

 High sample throughput and fast turnaround for dynamic response to changing workplace environment
- Dust samples are analyzed directly on a PVC filter

 No sample preparation required for easy and repeatable analysis
- On-site commissioning and support provided by experts, Sedulitas Ensure the data collected is useful and impactful from day one
- Only the PVC filters are required as a repeat expense Low cost of analysis
- Small footprint and portability

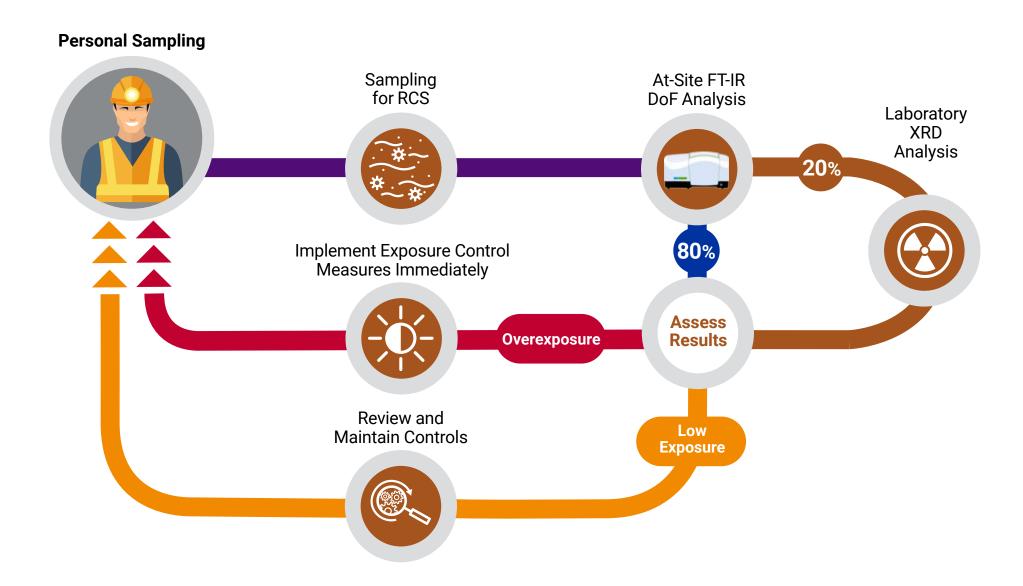
 Powerful analysis with the capability to move between sites*



* If analysis is carried out at a new site where the dust composition may vary, a new calibration/site-specific correction factor may be required.



User Workflow for Silica Analyzer





Results Specific to Each Mine

Included in this package is the ability to generate a sitespecific correction factor. The inclusion of a site-specific correction factor has been shown to improve accuracy of results significantly.

The RCS analysis system requires no solvents or gases and can easily be moved between sites*. It is the adaptability of this solution which makes it ideal for implementation in a mining or excavation environment.



Application Note: At-site quantification of crystalline Silica

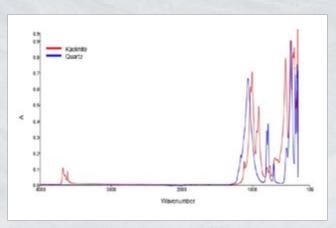
Non-destructive quantification of respirable crystalline silica deposited on sampling filters, at site where sample collection has occurred.

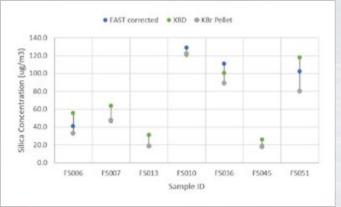
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Fast Yet Powerful Data

An infrared spectrum will usually be collected within 30 seconds, making this solution one of the fastest on the market.

Despite the speed and convenience of this technique, the results obtained are comparable to those measured using more classical techniques.







Experience You Can Trust

With over 75 years of experience in Infrared spectroscopy, PerkinElmer bring that deep-seated experience to a new generation of infrared systems that are up to any challenge. Powerful and adaptable, our wide range of fourier transform infrared (FT-IR) and diode array (DA) spectrometers provide you accurate, reliable analytical results to meet all your current analysis needs and can be expanded as your goals evolve. Choose our market-leading infrared spectrometers and instrumentation with a low-maintenance design, intuitive software, and unrivalled flexibility for superior spectroscopic performance in demanding applications.



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