

Hazardous dusts: quantifying the degree of health risk

Delft Solids Solutions, the Netherlands, has recently acquired dust measurement equipment which operates in full compliance with the EN 15051 standard: 'Workplace atmospheres – measurement of the dustiness of bulk materials.' The Delft Solids Solutions laboratory now has the capability to quantify the various dust fractions by means of the rotating-drum method, fully in accordance with EN 15051. With this method, a known amount of powder is placed in a specially prepared drum that rotates at a given speed. A calibrated air stream flows through the drum and guides the airborne particles to special filters that are capable of separating the dust particles based on their harmfulness (inhalable – thoracic – respirable). www.solids-solutions.com