



Product Specification

Product Name: QUARTZ POWDER >230 Mesh AR

Alternate Name(s) Silicon dioxide; Crystalline silica.

Description

White to faintly grey powder.

Properties

Chemical Formula: SiO₂
Molecular Weight: 60.08

Product Code: QA001
CAS No. 14808-60-7

General Information:

Insoluble in water and acid except hydrogen fluoride; only slightly attacked by solutions of caustic alkali. Incompatible with hydrogen fluoride. Piezoelectric and pyroelectric.

Quality Specification

Assay:

Specific Properties and Impurities [Typical levels]:

Mohs hardness	7
Specific Gravity	2.65
Boiling Point	> 2200 °C
Melting Point	1610 - 2000°C
Loss on Ignition	≤ 0.3%
Chloride (Cl)	≤ 0.005%
Cadmium (Cd)	≤ 0.005%
Calcium (Ca)	≤ 0.02%
Cobalt (Co)	≤ 0.005%
Copper (Cu)	≤ 0.005%
Iron (Fe)	≤ 0.02%
Potassium (K)	≤ 0.05%
Sodium (Na)	≤ 0.01%
Lead (Pb)	≤ 0.005%
Nickel (Ni)	≤ 0.005%
Zinc (Zn)	≤ 0.005%
Mesh size	>230

Hazard and Safety Data

UN Group: None Allocated
Class: None Allocated
UN Number: None Allocated
Hazchem code: None Allocated
CS MSDS Code: 1CHMX
Poison schedule: Not Scheduled
Emergency Procedure Guide No.: N/A

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