

Certificate of Analysis

Date of Testing: 2022-10-11 16:11:25

Date of Next Testing: 2026-10-10 16:11:25

Product Name: **Silicon dioxide**

CAS Number: 112945-52-5

Specifications & Purity: 99.8%,specific surface area (BET) : 380m2/g;particle size : 7-40nm

Lot #: I2220134

SKU # **S104598**

Analysis: 142474

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.98 %
Specific surface area (BET)	360-400	380.00
loss on Ignition	0-2.5 (%)	1.60 %
Loss on drying	0-2.5 (%)	0.86 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	50.00 g/L
Silica content(Based on the product after ignition)	99.8-100 (%)	99.90 %
Trace Metal Analysis	0-2000 (ppm)	202.00 ppm
PH-value in 4% dispersion	3.7-4.5	4.10
Particle size	7-40 (nm)	11.69 nm
Sieve residue (45µm)	0-0.04 (%)	0.02 %
Carbon content(2h based on the product after drying 105 °C)	0-0.15 (%)	0.12 %
Appearance (S104598)	White flocculent solid	White flocculent solid
ICP: Confirms Silicon Component	Confirmed	Confirmed



John Su
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