

Certificate of Analysis

Date of Testing: 2022-08-13 17:53:22
Date of Next Testing: 2026-08-12 17:53:22
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: nanopowder,Hydrophilic,99.8% metals basis,particle size:7-40nm;Specific surface area (BET) : 200m2/g
Lot #: H2211500
SKU #: **S104587**
Analysis: **117675**

Parameter	Limit Values	Result
loss on Ignition	0-2 (%)	1.39 %
Silica content(Based on the product after ignition)	99.8-100 (%)	99.99 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	46.82 g/L
Loss on drying	0-2 (%)	1.83 %
Sieve residue (45µm)	0-0.02 (%)	0.02 %
PH-value in 4% dispersion	3.7-4.5	4.43
Specific surface area (BET)	180-220 (%)	199.65 %
Chloride (Cl-)	0-0.0125	0.01
Particle size	7-40 (nm)	14.01 nm
Carbon content(2h based on the product after drying 105 °C)	0-0.15 (%)	0.11 %



John Su
QA & QC Manager