

Certificate of Analysis

Date of Testing: 2023-05-18 15:09:21
Date of Next Testing: 2027-05-17 15:09:21
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 #: E23101079
SKU #: **S104587**
Analysis: **056205**

Parameter	Limit Values	Result
loss on Ignition	0-2 (%)	1.12 %
Silica content(Based on the product after ignition)	99.8-100 (%)	100.00 %
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	54.78 g/L
Loss on drying	0-2 (%)	0.92 %
Sieve residue (45µm)	0-0.02 (%)	0.01 %
Specific surface area (BET)	180-220 (%)	188.76 %
Chloride (Cl-)	0-0.0125	0.01
Particle size	7-40 (nm)	12.07 nm
Carbon content(2h based on the product after drying 105 °C)	0-0.15 (%)	0.11 %
PH-value in 4% dispersion	3.7-4.5	4.00



John Su
QA & QC Manager