

## Certificate of Analysis

Date of Testing: 2023-09-14 17:30:02  
Date of Next Testing: 2027-09-13 17:30:02  
Product Name: **Nano fumed silica**  
CAS Number: 112945-52-5  
Specifications & Purity: nanopowder,99.8% metals basis,specific surface area(BET) : 170m2/g;particle size : 7-40nm;Hydrophobic  
Lot #: I2311623  
SKU # **S104589**  
Analysis: **268149**

Parameter	Limit Values	Result
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	40.00 g/L
loss on Ignition	0-2.5 (%)	1.03 %
PH-value in 4% dispersion(Water:ethanol=1:1)	3.7-4.5	4.00
Specific surface area (BET)	150-190	171.00
Loss on drying	0-0.5 (%)	0.42 %
Carbon content(2h based on the product after drying 105 °C)	1-1.8 (%)	1.40 %
Particle size	7-40 (nm)	38.00 nm
Silica content(Based on the product after ignition)	99.8-100 (%)	99.81 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager