

Certificate of Analysis

Date of Testing: 2022-12-17 14:04:04
Date of Next Testing: 2026-12-16 14:04:04
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: 99.8%,specific surface area (BET) : 115m²/g ; particle size : 7-40nm
Lot #: L2205101
SKU #: **S104599**
Analysis: **143203**

Parameter	Limit Values	Result
Specific surface area (BET)	100-130	116.00
Particle size	7-40 (nm)	12.44 nm
PH-value in 4% dispersion(Water:ethanol=1:1)	3.7-4.5	4.10
Carbon content(2h based on the product after drying 105 °C)	0.6-1.2 (%)	0.90 %
Silica content(Based on the product after ignition)	99.8-100 (%)	99.98 %
Loss on drying	0-0.5 (%)	0.30 %
loss on Ignition	0-2.5 (%)	1.33 %
Tamped density(2h based on the product after drying 105 °C)	25-60 (g/L)	47.00 g/L
Appearance (S104599)	White flocculent solid	White flocculent solid
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager