

## Certificate of Analysis

Date of Testing: 2024-03-04 10:06:06  
Date of Next Testing: 2028-03-03 10:06:06  
Product Name: **Nano fumed silica**  
CAS Number: 112945-52-5  
Specifications & Purity: 99.8%,specific surface area (BET) : 150m2/g ; particle size : 7-40nm  
Lot #: B2419129  
SKU #: **S104600**  
Analysis: **310769**

Parameter	Limit Values	Result
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	46.50 g/L
Particle size	7-40 (nm)	20.43 nm
Loss on drying	0-1.5 (%)	1.23 %
Sieve residue (45µm)	0-0.04 (%)	0.02 %
Carbon content(2h based on the product after drying 105 °C)	0-0.15 (%)	0.08 %
loss on Ignition	0-1.5 (%)	0.63 %
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.98 %
PH-value in 4% dispersion	3.7-4.5	4.43
Specific surface area (BET)	135-165	136.73



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