

Certificate of Analysis

Date of Testing: 2025-05-19 09:29:04
Date of Next Testing: 2029-05-18 09:29:04
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: $\geq 99.8\%$ metals basis, Specific surface area (BET):200m²/g,particle size:7-40nm,Hydrophilic
Lot #: E2507588
SKU #: **S104587**
Version: **0**
Analysis #: **488247**

Parameter	Limit Values	Result
loss on Ignition	0-2 (%)	0.52 %
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)	42.63 g/L
Loss on drying	0-2 (%)	0.23 %
Sieve residue (45µm)	0-0.02 (%)	0.00 %
PH-value in 4% dispersion	3.7-4.5	4.37
Specific surface area (BET)	180-220 (%)	182.63 %
Chloride (Cl-)	0-0.0125	0.01
Particle size	7-40 (nm)	27.15 nm
Carbon content(2h based on the product after drying 105 °C)	0-0.15 (%)	0.05 %



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QA & QC Manager