

Certificate of Analysis

Date of Testing: 2024-08-14 11:35:03
Date of Next Testing: 2028-08-13 11:35:03
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: Hydrophobic, $\geq 99.8\%$ metals basis, specific surface area(BET):150 m²/g;particle size:7-40nm;Deal with HMDS
Lot #: H2409577
SKU #: **S697170**
Version: **1**
Analysis #: **382394**

Parameter	Limit Values	Result
Specific surface area (BET) spectrum	130-170 (m ² /g)	130.73460 m ² /g
loss on drying(105°C,2 h)	0-0.7 (%)	0.35 %
pH(4%,Water and ethanol are mixed in a 1:1 ratio)	5-8	6.21000
Silica content(Based on the product after ignition)	99.8-100 (%)	99.99 %
Particle size	7-40 (nm)	11.14 nm
Carbon content(2h based on the product after drying 105 °C)	1-1.7(%) (%)	1.20 %
Tap density(2h based on the product after drying 105 °C)	0-60 (g/L)	50.00000 g/L



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