

Certificate of Analysis

Date of Testing: 2025-08-01 16:58:59
Date of Next Testing: 2029-07-31 16:58:59
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: Hydrophobic, $\geq 99.8\%$ metals basis, specific surface area(BET):260m²/g;particle size:7-40nm;Deal with HMDS
Lot #: G2521276
SKU #: **S104591**
Version: **1**
Analysis #: **533295**

Parameter	Limit Values	Result
Specific Surface Area	240-280 (m ² /g)	272.45 m ² /g
PH-value in 4% dispersion(Water:ethanol=1:1)	5.5-8	6.53
Particle size	7-40 (nm)	18.25 nm
Tamped density(2h based on the product after drying 105 °C)	40-60 (g/L)	46.84 g/L
Carbon content(2h based on the product after drying 105 °C)	2.5-4 (%)	3.00 %
Loss on ignition(1000°C,2 h)	0-4 (wt%)	0.57 wt%
Loss on drying(105°C, 2 hrs)	0-0.5 (wt%)	0.10 wt%
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.96 %
Appearance (S104591)	White powder	White powder



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QA & QC Manager