

Certificate of Analysis

Date of Testing: 2023-04-13 19:00:55
Date of Next Testing: 2027-04-12 19:00:55
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: 99.8%, BET: 150m²/g
Lot #: D2308321
SKU #: **N493103**
Analysis: **196358**

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.8-100 (%)	99.97 %
Trace Metal Analysis	0-0.2 (%)	0.03 %
Loss on drying	0-1.5 (%)	0.52 %
loss on Ignition	0-2 (%)	0.81 %
Specific surface area (BET)	135-165	151.62
Al ₂ O ₃	0-300 (ppm)	13.40000 ppm
TiO ₂	0-200 (ppm)	0.00000 ppm
Fe ₂ O ₃	0-30 (ppm)	6.68000 ppm
PH-value in 4% dispersion	3.9-4.5	3.91
Carbon content(2h based on the product after drying 105 °C)	0-0.2 (%)	0.02 %
Tamped density(2h based on the product after drying 105 °C)	40-60	52.00000
Sieve residue(45µm)	0-250 (ppm)	31.00000 ppm
Appearance(N493103)	White flocculent solid	White flocculent solid
ICP: Confirms Silicon Component	Confirmed	Confirmed



John Su
QA & QC Manager