

Certificate of Analysis

Date of Testing: 2023-04-13 18:45:01
Date of Next Testing: 2027-04-12 18:45:01
Product Name: **Nano fumed silica**
CAS Number: 112945-52-5
Specifications & Purity: 99.8%, BET: 150m²/g
Lot #: D2308298
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 |



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