

Certificate of Analysis

Date of Testing: 2022-07-12 18:46:32

Date of Next Testing: 2026-07-11 18:46:32

Product Name: **Nano fumed silica**

CAS Number: 112945-52-5

Specifications & Purity: 99.8%,specific surface area (BET) : 115m2/g ; particle size : 7-40nm

Lot #: F2224152

SKU #: **S104599**

Analysis: 093703

| Parameter | Limit Values | Result |
|-------------------------------------------------------------|------------------------|------------------------|
| Specific surface area (BET) | 100-130 | 115.00 |
| Particle size | 7-40 (nm) | 22.75 nm |
| PH-value in 4% dispersion(Water:ethanol=1:1) | 3.7-4.5 | 4.10 |
| Carbon content(2h based on the product after drying 105 °C) | 0.6-1.2 (%) | 0.90 % |
| Silica content(Based on the product after ignition) | 99.8-100 (%) | 99.99 % |
| Loss on drying | 0-0.5 (%) | 0.30 % |
| loss on Ignition | 0-2.5 (%) | 1.80 % |
| Tamped density(2h based on the product after drying 105 °C) | 25-60 (g/L) | 47.00 g/L |
| Appearance (S104599) | White flocculent solid | White flocculent solid |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



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