

## Certificate of Analysis

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Product Name: Nano fumed silica  
Cat. No.: GD20849  
Batch No.: 2  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 112945-52-5  
Molecular Formula:  $\text{SiO}_2$   
Molecular Weight: 60.0843  
Storage: Sealed in dry, room temperature

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
loss on drying(105°C,2 h): 0.60 %  
Specific surface area (BET): 102.046 m<sup>2</sup>/g  
Particle diameter: 7-40 nm  
Loss on ignition (1000°C,2h,after  
105 °C drying 2h): 0.63 wt%  
Silica content(Based on the  
product after ignition): 99.98 %  
PH: 6.4  
Carbon content(2h based on the  
product after drying 105 °C): 6.48 wt%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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