

Certificate of Analysis

Product Name	Fumed silica	Batch No.	M23M04105
CAS No.	112945-52-5	MFG. Date	Apr 10, 2023
CAT No.	R044935	Retest Date	Apr, 2025
Items	Specification	Results	
Appearance	White Solid	Conforms	
Nitrogen adsorption SBET	$200 \pm 20 \text{ m}^2/\text{g}$	211m ² /g	
PH Suspension liquid	3.9~4.5	4.11	
Volatile matter (at 105°C)	$\leq 2.0\%$	0.38%	
Loss on ignition	$\leq 2.0\%$	0.45%	
45 μ m residue on sieve	$\leq 250 \text{ mg/kg}$	31mg/kg	
Tap-density	40-60g/L	40g/L	
SiO₂ content	$\geq 99.8\%$	99.84%	
Carbon content	$\leq 0.2\%$	0.02%	
Chloride content	$\leq 250 \text{ mg/kg}$	44mg/kg	
Al₂O₃	$\leq 300 \text{ mg/kg}$	15mg/kg	
TiO₂	$\leq 300 \text{ mg/kg}$	6mg/kg	

Fe₂O₃	$\leq 30\text{mg/kg}$	3mg/kg
Conclusion	Corresponds.	
Storage Condition	Keep container tightly closed in a dry and well-ventilated place.	

QC:

Alex Foster

QA:

Felix Hobart