

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-27 11:35:41
 Date of Next Testing: 2028-12-26 11:35:41
 Product Name: **Synthetic mica**
 CAS Number: 12003-38-2
 Specifications & Purity: 40 mesh
 Lot #: L2525616
 SKU #: **S302553**
 Version: **2**
 Analysis #: **627619**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Whiteness(L)	≥85	90.20000
Loose density	0.28-0.4 (g/cm ³)	0.37000 g/cm ³
Moisture content	0-1 (%)	0.40000 %
Particle Size(-40 Mesh)	98-100 (%)	99.60000 %
Particle Size(-100 mesh)	≤20 (%)	10.10000 %
silica(SiO ₂)	38-43 (%)	39.60000 %
Al ₂ O ₃	10-14 (%)	11.88000 %
Hardness(Mohs)	2.4-2.6 (%)	2.50000 %
Na ₂ O	0-0.2 (%)	0.18000 %
TiO ₂	<0.5 (%)	0.02000 %
Refractive index n _{20/D}	1.57-1.59	1.58000
Loss on Ignition(1000°C)	< 1 (%)	0.18000 %
K ₂ O	9-12 (%)	10.31000 %
MgO	24-32 (%)	27.63000 %
CaO	<0.5 (%)	0.25000 %
Fe ₂ O ₃	<1 (%)	0.23000 %
Appearance(S302553)	White powder	White powder



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager