

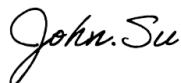
ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-11 16:22:22  
Date of Next Testing: 2028-09-10 16:22:22  
Product Name: **Molecular sieves, 5 Å**  
CAS Number: 69912-79-4  
Specifications & Purity: 3mm-5mm,for drier  
Lot #: I2403492  
SKU #: **M103773**  
Version: **0**  
Analysis #: **401712**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Water Absorption	≥21 (%)	22.02 %
Particle size	3-5 (mm)	4.11 mm
bulk density	≥0.62(g/ml)	0.68 g/ml
Oxygen retention 42°C	≥2.8 (%)	3.00 %
CO2 adsorption capacity	≥15 (%)	16.00 %
n-Hexane adsorption	≥12 (%)	13.00 %
Nitrogen retention 42°C	≥8 (%)	8.50 %
Compressive Strength	≥60 (N/gram)	131.50 N/gram
Abrasion loss	0-0.4 (%)	0.30 %
Appearance (M103773)	Tan beads	Tan beads



John Su  
QA & QC Manager