

## Certificate of Analysis

Date of Testing: 2023-12-18 16:18:01  
Date of Next Testing: 2027-12-17 16:18:01  
Product Name: **Molecular sieves, 5 Å**  
CAS Number: 69912-79-4  
Specifications & Purity: 2mm-3mm,for drier  
Lot #: L2311056  
SKU #: **M140028**  
**Analysis: 299055**

Parameter	Limit Values	Result
Water Absorption	≥21 (%)	26.98%
bulk density	0.6-0.7 (g/ml)	0.65 g/ml
Compressive Strength	≥50 (N/gram)	96.80 N/gram
Abrasion loss	0-0.4 (%)	0.08%
CO2 adsorption capacity	≥15 (%)	16.00%
n-Hexane adsorption	≥12 (%)	13.00%
Particle size	2-3 (mm)	2.09 mm
Oxygen retention 42°C	≥2.8 (%)	2.90%
Nitrogen retention 42°C	≥8 (%)	8.10%
Appearance (M140028)	Tan beads	Tan beads



John Su  
QA & QC Manager