

## Certificate of Analysis

Date of Testing: 2024-03-19 10:12:04  
Date of Next Testing: 2028-03-18 10:12:04  
Product Name: **Molecular sieves, 5 Å**  
CAS Number: 69912-79-4  
Specifications & Purity: 2mm-3mm,for drier  
Lot #: C2405521  
SKU #: **M140028**  
Version: **0**  
Analysis #: **320003**

| Parameter               | Limit Values   | Result       |
|-------------------------|----------------|--------------|
| Water Absorption        | ≥21 (%)        | 24.81%       |
| 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%       |
| Oxygen retention 42°C   | ≥2.8 (%)       | 3.00%        |
| Particle size           | 2-3 (mm)       | 2.18 mm      |
| Nitrogen retention 42°C | ≥8 (%)         | 9.00%        |
| Appearance (M140028)    | Tan beads      | Tan beads    |



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QA & QC Manager