

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 33438   |
| <b>Lot Number</b>        | 002368-20180712-1   |
| <b>Product</b>           | <b>Molecular sieves, 13X, beads, 8-12 mesh</b>                                      |
| <b>CAS Number</b>        | 63231-69-6  |
| <b>Molecular Formula</b> | $\text{Na}_{86}[(\text{AlO}_2)_{86}(\text{SiO}_2)_{106}] \cdot n\text{H}_2\text{O}$ |

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|                                    |   |
|------------------------------------|---|
| <b>Appearance</b>                  | Tan beads   |
| <b>Bulk density</b>                | 0.68 g/mL   |
| <b>Water Content (Karl Fisher)</b> | 0.7%  |
| <b>Storage</b>                     | Store at RT   |
| <b>Additional Information</b>      | Size qualification : 99.4%<br>Equilibrium water capacity : 28.47%<br>CO2 adsorption : 18.68%<br>Crush strength : 35.6 N<br>Water rate : 0.09% |
| <b>Country of Origin</b>           | USA   |
| <b>Remarks</b>                     | See material safety data sheet for additional information<br>For laboratory use only  |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
**Quality Control Manager**