

# Chem-Impex International, Inc.

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Manufacturing site:

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Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	33439
<b>Lot Number</b>	002368-20180205-1
<b>Product</b>	<b>Molecular sieves, 3Å, EDG Ethanol Grade, 4-8</b>
<b>Molecular Formula</b>	$K_{12} [(AlO_2)_{12}(SiO_2)_{12}] \cdot nH_2O$

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<b>Appearance</b>	Tan beads
<b>Bulk density</b>	0.75 g/mL
<b>Storage</b>	Store at RT

<b>Additional Information</b>	Size qualification : 99.4% Equi water Cap 25 °C 50% RH : 21.54% Equi water Cap 25 °C 10% RH : 18.52% Alcohol ( $\Delta T$ ) : 3 °C Methanol ( $\Delta T$ ) : 8 °C Crush Strength : 110.5 N K <sup>+</sup> exchange rate : 46.2% Attrition : 0.09% Loss on ignition : 0.84%
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<b>Country of Origin</b>	USA
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<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only
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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager