



DESICCARE, INC.

ISO 9001:2015

Title: Bulk Molecular Sieve 4Å
 Item : QA Raw Material Fill Specification
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 Issue Number: 001
 Effective Date: 3/18/20
 Approved By: RSM

Bulk Molecular Sieve 4Å
 Specification 1-3 mm Bead

Bulk Molecular Sieve 4Å Specification

Formula Na₂OxAl₂O₃x2SiO₂xnH₂O

Properties

- Specific Surface Area (BET) 650 m²/g
- Bulk density (gms/cc) (Mil-D-3464E Test) 0.69
(Method: 200 taps using a 100 mL graduated cylinder)
- pH (slurry) 10
- Color Tan
- Avg Crush Strength ≥ 30 N

Water Adsorption Capacity

(wt %, 7hr test, test run at 4 liters/min)

- @ 40 %RH, 25° C 20.0 min
- @ 80 %RH, 25° C 22.0 min

Residual Moisture Content (wt %)

@ 578 °C, 3 hours 2.0 max

Commercial Particle Size

mm	%
< 1.00	1.5
1 to 3	97.0
> 3.0	1.5