



DESICCARE, INC.

ISO 9001:2015
Mil-D-3716B Bulk Microporous
Blue Indicating Silica Gel
Specification, 1-3 mm

Title: Mil-D-3716B Bulk Microporous Blue Indicating Silica
Gel Specification
Item : QA Raw Material Fill Specification
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Issue Number: 001
Effective Date: 3/22/18
Approved By: *RSK*

Bulk Microporous Indicating Silica Gel 1-3 mm Specification

Formula SiO₂xH₂O + CoCl₂

Properties

- Specific Surface Area (BET) 600-800 m²/g
- Bulk density (lbs/ft³) 45 MINIMUM.
- Color Blue
- Structure Amorphous

Water Adsorption Capacity (wt %, Report) (7hr test as specified in Mil-D-3716B)

- @ 20 %RH,25° C 10.00 min
- @ 40 %RH,25° C 19.00 min
- @ 80 %RH,25° C 33.00 min

Residual Moisture Content (wt %)

@ 150° C, 3 hours 3.0 max

Particle Size 1-3 mm Bead

mm	%
< 1.0	1.5
1 to 3	97.0
> 3.0	1.5

Indicating Color

(as specified in Mil-D-3716B)

Rh	Color
20	Blue
40-50	Lavender
60	Pink