

mSORB[®] 4A **TYPE 4A, BLUE INDICATING MOLECULAR SIEVE BEADS**

CHEMICAL FORMULA

$\text{Na}_{12}[(\text{AlO}_2)_{12}(\text{SiO}_2)_{12}] \cdot n\text{H}_2\text{O} + \text{CoCl}_2$

PRODUCT DESCRIPTION

mSORB 4A blue indicating molecular sieve desiccant is a sodium alumina silicate molecular sieve impregnated with an inorganic metal salt moisture indicator. The desiccant will perform as a 4a molecular sieve with the additional ability to visually determine when the molecular sieve reaches saturation. When active, the molecular sieve beads are blue. As the beads reach saturation, the color changes to beige, indicating that the molecular sieve has reached equilibrium capacity and is in need of replacement.

TYPICAL PROPERTIES		
PRODUCT CODE	4A812B-IMS	4A48B-IMS
Particle Size (Mesh)	8 X 12	4 X 8
Size Qualification (%)	> 97	> 97
Nominal Pore Opening (Å)	4	4
Shape	Bead	Bead
Adsorption Capacity @ 25°C RH 10% (wt%)	> 15	> 15
Adsorption Capacity @ 25°C RH 20% (wt%)	> 16	> 16
Adsorption Capacity @ 25°C RH 40% (wt%)	> 17	> 17
Adsorption Capacity @ 25°C RH 60% (wt%)	> 18	> 18
Bulk Density (lb/ft ³)	> 47	> 47
Crush Strength (N)	> 25	> 58
Package Moisture (wt%)	< 6	< 6

TYPICAL APPLICATIONS

As a desiccant where a visual indication of saturation is desired.

PACKAGING INFORMATION

Available in 55 lb (25 kg) drums.

HANDLING & STORAGE RECOMMENDATIONS

Store in a dry location to prevent unintentional water adsorption. Reseal packages after opening to prevent contamination and unintended water adsorption. We recommend that you rotate stock so oldest material is used first.

HEALTH & SAFETY INFORMATION

Health and safety information is available on our product SDS, which can be downloaded from our web site interraglobal.com or by contacting Interra Global at 847.292.8600.