RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-19-1998-025
Silica Gel Blue

Silica Gel Blue semi-transparent glassy substance containing an indicator as “Cobalt Chloride” a heavy metal salt. When free from moisture the Granules or beads are dark blue in color. As the beads take up moisture, they turns to light blue gradually & When they turn pink, When the gel has absorbed approximately 8 % percent of its weight in water the coloured crystals will turn from blue to pink making an easy visual indicator of whether the gel has become saturated with moisture. It indicates that the gel needs to be replaced or regenerated. The indicating silica gel will still adsorb up to 40% of its weight in water vapor just like the non-indicating In fact, it is mainly used as an indicator for the extent of dehumidification and moisture absorption in sealed vessel and Silica Gel Breather Industry. Blue Silica Gel is also known as Indicating Silica Gel, Self Indicating Silica Gel, Blue Desiccants, Moisture Absorber.

TECHNICAL SPECIFICATION	
DESCRIPTIONS	SILICA GEL BLUE
Assay (as SiO2)	98 %
pH	6.8 - 7.2
Bulk Density gm/ltr	0.600 – 0.700
Loss on Drying %	4 - 6 %
Loss on Attrition	2.5 % Max
Adsorption Capacity at 100 % humidity	35 - 40 %
Friability	99.5
Chloride (as Nacl)	Max. 0.5% ppm
Sulfates (as Na2SO4)	Max 0.5 % ppm
Cobalt Chloride (as CaCl2)	0.5 – 0.7 %
Ammonium Compound (as NH3)	0 %
Binder as CaSO4	0 %
Dimethyl Fumrate (DMF)	0 %
Particle size	4 - 6

Dehumidifying and dehydrating agent, air condition, drying of compressed air and other gases, and liquids such as refrigerants and oils containing water in suspension.

document is prepared in accordance with GHS / OSHA HazCom standards. The information contained herein is believed to be accurate but does not purport to be all-inclusive. It is the responsibility of the user to determine the suitability of this information for their application.