

# Non-Indicating Silica Gel, Granular

Description – a narrow pored granular form of amorphous silica free from extraneous matter.  
The irregular granules are a white/translucent colour.  
They remain physically unchanged when dry and when saturated with water.



**RoHS  
Compliant**

Typical Properties	
Moisture content at 145°C 2% maximum Equilibrium capacity for water vapour at 25°C and given relative humidity (r.h.)	2% maximum
10% r.h.	> 6½ % w/w (weight for weight)
20% r.h.	> 12% w/w
50% r.h.	> 27% w/w
80% r.h.	> 36% w/w

BET surface area	600 - 800 m <sup>2</sup> /g
Pore volume	0.35 - 0.45 ml/g
Average pore diameter	20 - 30 Å
pH (10% aqueous solution)	Not less than 3.5
Bulk density	700 - 770 g/l

Water soluble sulphates	1.0% maximum
Water soluble chlorides	0.05% maximum
Ammonia/ammonium compounds	10mg/kg maximum
Friability and dust	Not more than 0.5% less than 125 micron

Particle Sizes	Very Fine	0.2 – 0.5 mm
	Fine	0.5 – 1.0 mm
	Medium	1.0 – 3.0 mm
	Coarse	3.0 – 6.0 mm
Toxicity	Non-toxic	
Storage	Packages should be kept closed and in a dry place	
Shelf-Life	Shelf-life of between one and three years depending on packing type	
Regeneration can be carried out at temperatures between 120°C and 150°C.		

Packaging design may vary.

This material meets the requirements of BS 2540:1991 Granular Desiccant Silica Gel, DIN 55473:2001-2002 and Mil-D-3464E