

Certificate of Analysis

Product Name : SILICA GEL 60-120 MESH For Column Chromatography

Grade : Laboratory Grade

EC No. : 231-545-4

HS Code : 2811 22 00

Storage : Below 30°C

Shelf life : 5 years

PHYSICAL AND CHEMICAL PROPERTIES

CAS No	63231-67-4
Molecular Formula	SiO ₂
Molecular Weight	60.08
Description	Free flowing white to off-white odourless powder.
Solubility	Insoluble in water, alcohol and acids.
Assay(as SiO ₂)	Min. 99.50%
Mesh size:	min.95%(60-120mesh) (125 - 250µm)
Particle size 1	min. 80.00% passing through 60 mesh (250 µm)
Particle size 2	max. 20.00% passing through 120 mesh (125 µm)
Adsorption capacity @ 100% humidity	30 - 35% w/w
Column chromatography test	Passes
pH (10% aqueous suspension at 25°C)	6.5 - 7.5
Loss on drying,130°C	3.00% max
Chloride(Cl)	0.1% max
Chloride (as NaCl)	Max 300ppm
Fe (Iron):	<75 ppm
Boiling Point	2230 °C
Melting Point	>1600 °C
Bulk density	0.5 - 0.6 g/ml
Pore Diameter –A	40-60A
Surface Area m ² /gm	350-450
Moisture Content %	<6.00

Remarks :

THE CAPTIONED BATCH MATERIAL COMPLIES WITH THE SILCHEM PHARMACEUTICALS PRESCRIBED QUALITY OF THE ABOVE SPECIFICATION.

SILCHEM PHARMACEUTICALS provides this analytical reporting good faith and to the best of its knowledge.



It should not be substituted for the users own raw material quality control.

Please Note: This material is only for laboratory research purpose and not for human consumption.

This is computer generated COA, no stamp and signature is required

Tested By
(Chemist-Quality Control)

Approved By
(Head-Quality Control)