



Manufacture & Exporter of Silica gel & Silica gel Pouches
 Activated Clay, Containers Desiccant, Activated Alumina

CERTIFICATE OF ANALYSIS

ITEM : SILICA GEL BLUE BEADS 4-6 MM.		INDEX
Origin	Indian	
Adsorption Capacity	RH=20 %, %≥	11.65
	RH=50 %, %≥	26.25
	RH=90 %, %≥	38.6
PH		4 - 6
Lot/ Batch no.		November- 2017/ 0449
Specific resistance,Ω,cm ≥		3600
Friability		99.5
Silica, %≥		99
Qualified ratio of granules, %≥		98.2
Qualified ratio of spherical granules,%≥		96.8
Specific Surface Area		650 - 800 m2/g
Pore Volume		0.35-0.45 ml/g
Specific Heat		0.92 KJ/Kg.
Thermal Conductivity		0.63 KJ/m.hr
Bigger than 5 mm(%)		0.2
Smaller than 3 mm(%)		3
Loss on heating at 180°C, % ≤		4.2
Bulk density,g/l ≥		650
DMF		FREE
COLOUR CHANGE	RH=20 %	BLUE
	RH=35 %	PURPLE
	RH=50 %	PINKISH

CHEMICAL COMPOSITION

CHEMICAL NAME	CAS	COMPOSITION (in % by weight)
SILICA	1343-98-2	98.5
IRON	7439-89-6	0.5
SODIUM	7440-23-5	0.2
MAGNESIUM	7439-95-4	0.1
CALCIUM	7440-70-2	0.1
OTHERS	-	0.1
COBALT CHLORIDE		0.5

Fro, OM CHEMICALS

AUTH.SIGN.