



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

CERTIFICATE OF ANALYSIS

SILICA GEL ORANGE BEADS 3 - 5 MM.		INDEX
Adsorption Capacity	RH=20 %, %≥	10.45
	RH=50 %, %≥	22.90
	RH=90 %, %≥	37.60
PH		4 - 6
Specific resistance, Ω, cm ≥		4000
Friability		99.5
Silica, %≥		99
Qualified ratio of granules, %≥		99.6
Qualified ratio of spherical granules, %≥		97.5
Specific Surface Area		650 - 800 m ² /g
Pore Volume		0.35-0.4 ml/g
Specific Heat		0.92 KJ/Kg.
Thermal Conductivity		0.63 KJ/m.hr
Abrasion Loss (%)		< 2
Crush Strength		> 20 Kgs.
Loss on heating at 120°C, % ≤		1.5 % MAX
Bulk density, g/l ≥		675 - 750
COLOUR CHANGE	RH=20 %	LIGHT YELLOW
	RH=35 %	LIGHT BROWN GREEN
	RH=50 %	LIGHT GREEN

Note: When in a dried state it appears orange in colour and as it absorb moisture, its colour gradually changes from orange to dark green.

CHEMICAL COMPOSITION

CHEMICAL NAME	CAS	COMPOSITION
		(in % by weight)
SILICA	1343-98-2	98.8
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
ORGANIC INDICATOR		0.2

Fro, OM CHEMICALS

AUTH.SIGN.