

Silica Sand Filter Media

CIN No-U14290DL2012PTC232730

Lab Test Reports

Physical Properties

PARAMETER	TEST VALUES
Uniformity Coefficient	1.4-1.5
Porosity	41.3%
Bulk Density	1.55 g/cm ³
Specific Gravity	2.65
Mohs Hardness	7
Acid Solubility	0.7
Moisture	0.03%
Organic Impurities	Nil
Colour	Light Brown

Chemical Properties

PARAMETERS	TEST VALUES
SiO ₂	98.14
Al ₂ O ₃	0.9
Fe ₂ O ₃	0.12
CaO and MgO	0.32
Na ₂ O	0.16
K ₂ O	0.01
LOI	0.3
Ph	7.2

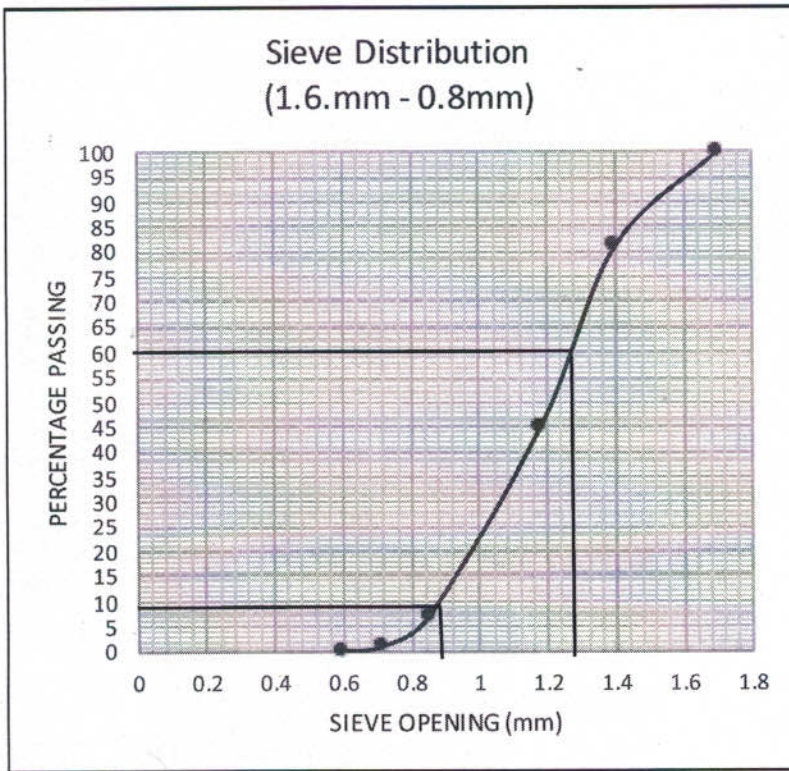
SIEVE DISTRIBUTION (Percentage Passing)

SIZE RANGE	10mm-12mm	6mm-9mm	3mm-5mm	1mm-2mm	0.8mm-1.6mm	0.4mm-0.8mm	0.4mm-0.6mm	0.30mm-0.50mm
EFFECTIVE SIZE (D 10)	8.1	6.1	3.2	1.2	0.88	0.48	0.36	0.32
SIEVE OPENING								
12 mm	98							
9.5 mm	24	100						
6.3 mm	4	32	100					
4.75 mm		2	91					
4 mm			43					
3.35 mm			17					
2.36 mm			4	100				
2 mm			1	98				
1.7 mm				67	100			
1.4 mm				37	81			
1.18 mm				7	45	100		
0.85 mm				1	7	97		
0.71 mm					1	65	100	
0.6 mm						30	99	100
0.425 mm						4	31	53
0.3 mm						1	2	6
0.212 mm							1	1
UNIFORMITY COEFFICIENT	1.48	1.42	1.42	1.40	1.44	1.44	1.46	1.40

For Quality Industries Pvt. Ltd.

Director

Calculation of Effective Size and Uniformity Coefficient



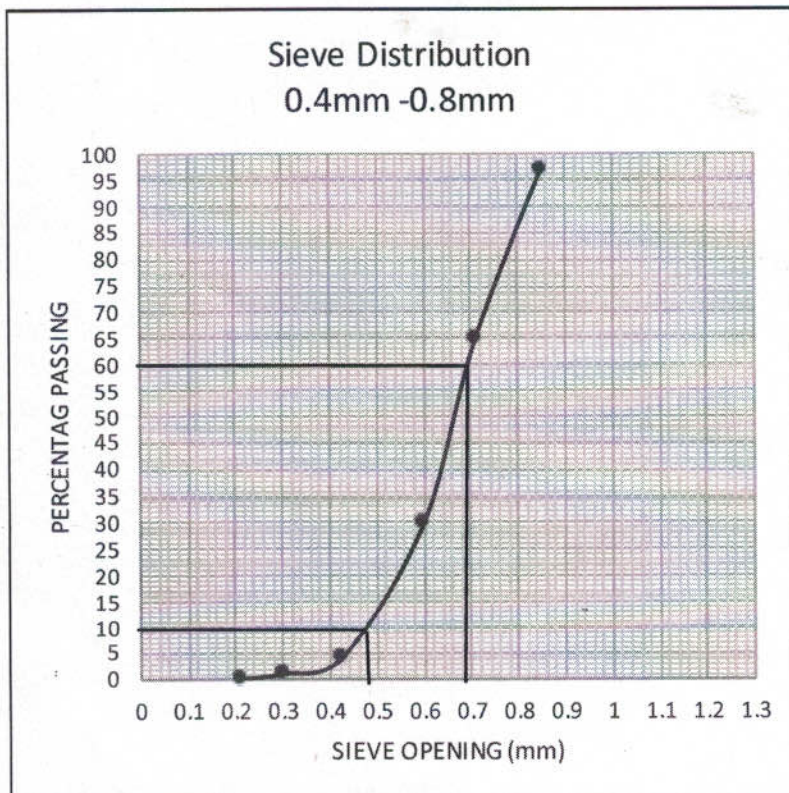
**EFFECTIVE
SIZE**

D10= 0.88

D60= 1.27

UNIFORMITY COEFFICIENT

(D60/D10)= 1.44



**EFFECTIVE
SIZE**

D10= 0.48

D60= 0.69

UNIFORMITY COEFFICIENT

(D60/D10)= 1.44

For Qualicy Industries Pvt. Ltd.

Director



GEOMINSOLUTION PVT. LTD. (Chemical Analysis Division)

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Date:11/02/2022

Name of Party : QUALICY INDUSTRIES PVT.LTD
VILL-CHAKGUJARSINHWALA, 57 th KM STONE,
NEAR SANKHLA PHANTA,TEHSIL-KOLAYAT,DIST-BIKANER

Sample Name : SILICA SAND(SP-01)

Test Requirement : CHEMICAL ANALYSIS

Reference No. : GSPL070222SS01

Date of received : 07/02/2022

Test Report

Chemical Analysis	
Compound	Result %
SiO ₂ %	98.14
Al ₂ O ₃ %	0.9
Fe ₂ O ₃ %	0.1
CaO %	0.3
MgO %	0.02
Na ₂ O	0.16
K ₂ O	0.01
Loss on Ignition %	0.3
Porosity %	41.5

Note:

- ❖ The results refer only to the tested sample and applicable parameters.
- ❖ All disputes are subjected to Bikaner jurisdiction.


AUTHORIZED SIGNATORY

