PRODUCT INFORMATION

Silica Well Pack Media
Plant: Thompson, OH

R.W. Sidley's operates a state of the art processing plant that produces the highest quality products virtually free of deleterious materials. Our processed silica sand is from our Thompson mine part of the Sharon conglomerate formation. All silica sands are washed, dried and screened at the Thompson plant.
All products are ANSI and NSF 61 approved and are tested to AWWA B100-9 standards. 100 Mesh Choke Sand is also available upon request.

Available packaging: 50 lb. bags, 3,000 lb. super sacks, 4,000 lb. super sacks and bulk quantities.

LABORATORY SIEVE ANALYSIS

		Gravel		Coarse Sand			Medium Sand			Fine Sand
Products		#1 Well Pack Pea Gravel	#2 Well Pack (2.9mm)	#3 Well Pack (2.6mm)	#4 Well Pack (1.7mm)	#5 Well Pack (1.1mm)	#6 Well Pack (.80mm)	#7 Well Pack (.60mm)	#8 Well Pack (.50mm)	#9 Well Pack (.35mm)
Sieve Size	mm	All % Retained on Individual Screen								
1/4	6.3	4	T	T						
4	4.75	55	3	3						
5	4.0	30	22	17						
6	3.35	7	12	33	T					
7	2.83	2	59	30	4					
8	2.36		3	14	42					
10	2.0		1	3	42	T				
12	1.68		T	T	11	4				
14	1.4				1	34				
16	1.18				T	40	2	T		
18	1.0					20	30	1	T	
20	0.85					2	47	19	2	
25	0.71					T	20	48	22	
30	0.6						1	27	32	T
35	0.5						T	6	36	29
40	0.42							T	7	46
50	0.3								2	23
60	0.25								T	1
70	0.212									T
100	0.15									
Actual Effective Size (mm)		3.883	2.859	2.586	1.943	1.074	0.773	0.617	0.503	0.347

CHEMICAL ANALYSIS

Tests	Results/Units
SiO_2	99.3%
Fe_2O_3	0.38%
Al_2O_3	0.21%
K_2O	0.054%
TiO_2	0.025%
Na_2O	0.005%
Total Mg	0.004%
Total Ca	0.003%
Ni	<0.001%
Mn	0.001%
Cr_2O_3	<0.001%

PHYSICAL ANALYSIS

Silica	
Percent Loss, Acid Solubility (ASTM D3042)	0.4%
Moh's Hardness	7
Loss on Ignition	0.14%
pH	6.4
Specific Gravity	2.63-2.65
Absorption	0.31%

Testing: Results are typical for the product. T= Trace amounts.
Laboratory Sieve Analysis: Testing was conducted at R.W. Sidley, Inc., Thompson, OH
Tests performed in accordance with ASTM D-75, ASTM C-136, and AASHTO T-176
Chemical Analysis: Testing conducted by NSL Analytical, Cleveland, OH
Physical Analysis: Testing conducted by NSL Analytical, Cleveland, OH

Revised: 04.04.22