



PRODUCT INFORMATION

SILICA: WASTEWATER FILTRATION SAND 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.

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

LABORATORY SIEVE ANALYSIS							
AWWA Spec.	.25-.50mm	.30-.60mm	.40 -1.0mm	.80-2.0mm	1.0-2.0mm	2.0-3.0mm	2.0-3.0mm
Uniformity Coefficient Specification	≤3.5	≤3.5	≤3.0	≤1.5	≤1.5	≤1.5	≤1.4
Mesh Size	CUM%PASS						
3/8							
1/4						100	100
4					100	97	97
6					96	48	23
8					48	3	1
10				100	20	T	1
12				94	4		T
14				54	T		
16			99	17			
18			83	1			
20		100	57	T			
25		97	23				
30	100	52	3				
35	81	6	T				
40	37	1					
50	2						
60	1						
70	T						
100							
140							
200							
270							
Pan	0	0	0	0	0	0	0
Typical E.S.	0.335	0.509	0.642	1.102	1.826	2.630	3.012
Typical U.C.	1.379	1.213	1.349	1.312	1.390	1.360	1.272

CHEMICAL ANALYSIS	
Tests	Results/Units
SiO ₂	99.3%
Fe ₂ O ₃	0.38%
Al ₂ O ₃	0.21%
K ₂ O	0.054%
TiO ₂	0.025%
Na ₂ O	0.005%
Total Mg	0.004%
Total Ca	0.003%
Ni	<0.001%
Mn	0.001%
Cr ₂ O 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.
 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: 03.31.22