



# PRODUCT INFORMATION

## SILICA FILTER 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 Filter Sands are washed, dried and screened at the Thompson plant and meet AWWA B-100 standards for granular filter media and NSF-61 requirements for drinking water components.

Tighter U.C. sizes of 1.3-1.4 available upon request.

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

LABORATORY SIEVE ANALYSIS								
Product	.15-.25mm	.25-.35mm	.35-.45mm	.45-.55mm	.55-.65mm	.65-.75mm	.8-1.2mm	3/16 X 10
Mesh Size	Cumulative % Passing							
1/4								100
4								98
6								53
8							100	3
10							100	1
12							95	
14						100	70	
16				100	100	97	40	
18				100	99	71	15	
20			100	100	78	35	5	
25		100		98	31	6		
30	100	98	100	52	5			
35	100	85	70	5	1			
40	98	66	25	1				
50	55	34	1					
70	9	10						
100	2	2						
140	1							
200								
270								
Pan	0	0	0	0	0	0	0	0
E.S.	0.21	0.21	0.38	0.52	0.63	0.75	0.93	2.55
U.C.	≤1.7	≤2.0	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5

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

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