



# 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	.05mm-.15mm	.15mm-.25mm	.35mm-.45mm	.45mm-.55mm	.55mm-.65mm	.4mm-1.0mm	.8mm-1.2mm	2.0mm-3.0mm	3/16X10
<b>U.S. SIEVE Mesh Size</b>	<b>Cumulative % Passing</b>								
1/4								100	100
4								100	100
6								75	70
8							100	15	10
10							100	2	2
12							95	0	0
14							70	0	0
16				100	100	100	40		
18				100		90	15		
20			100	100	85	45	5		
25				75	25	10	0		
30		100	100	50	5	5	0		
35		100	70	15	1	1	0		
40		100	25	5	0	0	0		
50	95	55	1	1	0	0			
70	80	15	0	0	0	0			
100	25	2	0						
140	10	1							
200	5								
270	1								
Pan	0	0	0	0	0	0	0	0	0
E.S.	0.11	0.20	0.38	0.46	0.63	0.72	0.94	2.26	2.35
U.C.	≤2.0	≤1.7	≤1.5	≤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	
<b>Silica</b>	
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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