



# 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 meet AWWA specifications for granular filter media and are NSF certified for drinking water components.

Available packaging: 50 lb. bags, 100 lb. bags, 3,000 lb. super sacks, 4,000 lb. super sacks and bulk quantities.

LABORATORY SIEVE ANALYSIS				
Product	.45 TO .55MM	.55 TO .65MM	1020	612
Mesh Size	% Retained			
8			5.8%	40.4%
10			12.9%	19.0%
12			19.0%	20.2%
14			24.1%	13.1%
16	0.2%	11.2%	15.0%	3.7%
18			11.1%	1.7%
20	19.6%	39.2%	6.3%	0.9%
25	31.9%	24.8%	3.6%	
30	24.1%	15.1%	1.4%	
35	16.7%	7.5%	0.6%	
40	4.9%	1.6%	0.1%	
50	2.3%	0.6%		
70	0.2%			
100				
140				
200				
Pan	0.0%	0.0%	0.1%	0.0%
E.S	.44 - .55	.55 - .65	.8 - 1.2	1.3-1.5
U.C.	<1.5	<1.6	<1.8	<1.7

CHEMICAL ANALYSIS		
Tests	Results/Units	Methods
Fe2O3	0.067%	ICP
Na2O	0.007%	DC ARC
SiO2	99.70%	By Difference after imputities scan
TAO	<0.10%	DC ARC

PHYSICAL ANALYSIS	
Silica	
Percent Loss, Soduim Sulfate Soundness (ASTM C88)	0.3%
Percent Loss, Acid Solubility (ASTM D3042)	0.3%
Moh's Hardness	7
Deleterious Substances	0
Coal, Lignite	0
Clay Lumps	0
Shale, Shaly Material	0
Limonitic Concretions	0
Chert	0
Soft Pieces	0
Metallic Particles	0

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 Solar Testing Laboratories, Inc., Brooklyn Heights, OH.

Revised: 02.19.10