



# PRODUCT INFORMATION

## SILICA SUPPORT GRAVEL 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 gravel is from our Thompson mine part of the Sharon conglomerate formation. All silica gravels are washed and screened at the Thompson plant. All Silica Support Gravels meet AWWA specifications 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	1/8 X 1/16		3/16 X 10		1/4 X 1/8		3/8 X 3/16		1/2 X 1/4	
Mesh Size	CUM%PASS	SPEC.	CUM%PASS	SPEC.	CUM%PASS	SPEC.	CUM%PASS	SPEC.	CUM%PASS	SPEC.
5/8									100.0%	
1/2							100.0%		93.3%	92-100
3/8					100.0%		98.8%	92-100	33.0%	
1/4					98.8%	92-100	26.0%		1.5%	0-8
4			98.7%	92-100	72.9%		3.2%	0-8	4.0%	
1/8	99.0%				3.7%	0-8				
6	98.9%	92-100	75.2%							
8	44.8%		12.8%		0.4%					
10	14.7%		3.3%	0-8						
12	3.9%	0-8	1.1%							
14			0.4%							
16			0.1%							
Pan	0.0%		0.0%		0.0%		0.0%		0.0%	

### CHEMICAL ANALYSIS

Tests	Results/Units	Methods
Fe <sub>2</sub> O <sub>3</sub>	0.067%	ICP
Na <sub>2</sub> O	0.007%	DC ARC
SiO <sub>2</sub>	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: 09.30.10