



PRODUCT INFORMATION

SILICA DRY INDUSTRIAL 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 mined, washed, 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													
Product	4X8	4X10	6X12	8X16	10X20	12X20	16X25	16X35	16X50	20X40	20X70	30X100	50X270
Mesh Size	% Retained												
1/4	T												
4	1	4											
5	11	20											
6	31	38	T										
7	34	30	2	T									
8	21	4	34	4	T								
10	3	1	45	25	2	T							
12	T	T	16	33	14	5							
14			2	30	23	39	T						
16			T	6	19	36	3	T					
18				1	23	17	25	1					
20				T	15	2	36	20	T	T			
25					3	T	31	52	3	12			
30					T		5	23	30	39	T		
35							T	4	49	39	26	T	
40								T	14	8	47	9	
50									4	2	25	52	2
60									T	T	1	25	16
70											T	9	16
100												5	46
140												1	18
200												T	2
270													T
Pan	0	0	0		0	0	0	0	0	0	0	0	1
AFS	4	4	5		10	10	14	18	25	25	33	45	70

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. T= Trace amounts.
 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: 01.18.19