



PRODUCT INFORMATION

SILICA: WATER FILTRATION 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 sand is from our Thompson mine part of the Sharon conglomerate formation. All Silica Filter Gravels are washed, dried and screened at the Thompson plant and meet AWWA B-100-16 standards for granular filter media and NSF-61 requirements for drinking water components.

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

TYPICAL LABORATORY SIEVE ANALYSIS

AWWA Spec.		1/8 X 1/16 (12)		3/16 X 3/32		1/4 X 1/8		3/8 X 3/16		1/2 X 3/16		1/2 X 1/4		5/8 X 3/8		3/4 X 1/4		3/4 X 1/2	
MM Size	Mesh Size	CUM %PASS	AWWA SPEC.	CUM %PASS	AWWA SPEC.	CUM %PASS	AWWA SPEC.	CUM %PASS	AWWA SPEC.	CUM %PASS	AWWA SPEC.	CUM %PASS	AWWA SPEC.	CUM %PASS	AWWA SPEC.	CUM %PASS	AWWA SPEC.	CUM %PASS	AWWA SPEC.
22.4	7/8																		100
19	3/4													100		100	92-100		97
16	5/8									100		100		98	92-100		95		65
12.5	1/2									95	92-100		95	92-100		43		82	5
11.2	7/16							100		73		73		12			53		T
9.5	3/8							99	92-100		34		34		3	0-8		15	
8.0	5/16					100		83		12		12		1			3	0-8	
6.3	1/4			100		96	92-100	22		2		2	0-8				2		
4.75	4			98	92-100	38		1	0-8	1	0-8	1							
4	5	100		84		6													
3.35	6	97	92-100	50		1	0-8												
2.8	7	86		18		T													
2.36	8	45		2	0-8														
2	10	12		T															
1.7	12	2	0-8																
1.4	14	T																	
1.18	16																		
1	18																		
.85	20																		
	Pan	0		0		0		0		0		0		0		0		0	

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.
 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



R.W. Sidley, Inc.
 Filtration Sands &
 Gravels are NSF
 Certified annually.

Revised: 03.29.22