



PRODUCT INFORMATION

BLUESTONE: 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. R.W. Sidley's processed bluestone products are washed and screened at the Thompson Plant. All Bluestone Filter Gravels meet AWWA specifications and are NSF certified 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.		3/4 X 1/2		1 X 5/8		1 X 3/4		1-1/2 X 3/4		2-1/2 X 1		2-1/2 X 1-1/2							
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.						
75	3		92-100		92-100		92-100		92-100		92-100		92-100						
62.5	2-1/2														100		100		
50	2														79		79		
44	1-3/4														55		55		
37.5	1-1/2													100	92-100	6		6	0-8
31.25	1-1/4									100				97		1		1	
25	1					100		92-100		95		92-100		58			0-8		
22.4	7/8	100		97		62		36											
19	3/4	93	92-100	55		7	0-8	6	0-8										
16	5/8	51		1	0-8	T		T											
12.5	1/2	3	0-8	T															
11.2	7/16	T																	
9.5	3/8																		
8	5/16																		
	Pan	0		0		0		0		0		0							

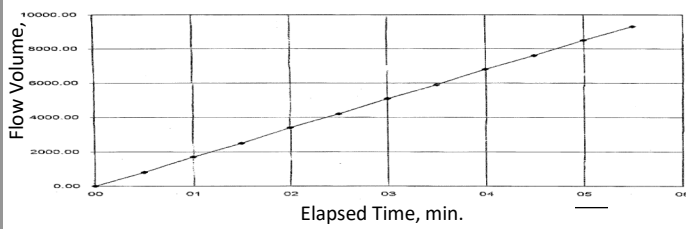
PHYSICAL ANALYSIS

Description	Test Result	Specifications	Methods	Comments
Hydraulic Conductivity	1.33 X 10 ⁻¹ cm/s	Minimum 1.0 X 10 ⁻² cm/s	ASTM D 2434	Sample K value equals the maximum capacity of equipment. Actual flow may be greater.
Insoluble Residue /Carbonate Content	Insoluble Residue 99% / Carbonate Content 3.6%	Maximum 15% Carbonate Content	MTO LS-613	
Calcium Oxide (CaO) / Whole Rock Analysis	2.05%			



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

PERMEABILITY TEST



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 SGS Lakefield Research Ltd., Lakefield, Ontario.

Physical Analysis: Testing conducted by AME Materials Engineering, Brampton, Ontario & AMEC Foster Wheeler Environmental & Infrastructure, Durham NC.

CHEMICAL ANALYSIS

Tests	Results/Units
Al ₂ O ₃	14.2%
CeO	2.05%
Cr ₂ O ₃	0.03%
Fe ₂ O ₃	5.53%
LOI	1.91%
K ₂ O	2.66%
MgO	2.11%
MnO	0.07%
Na ₂ O	3.86%
P ₂ O ₅	0.12%
SiO ₂	67.8%

Revised: 03.29.22