GENEVA ROCK PRODUCTS, INC.



1565 West 400 North ◆ P.O. Box 538 ◆ Orem, UT 84059 ◆ (801) 765-7800 ◆ Fax (801) 765-7830 ◆ www.genevarock.com

AGGREGATE SUBMITTAL

Report of Physical Properties

GRP Material Description:	Washed, Masonry	Report Date:	July 20, 2023
GRP Material Code:	SNDFW	Reviewed by:	Dan McDaniel
Source Location/Code:	Bauer / 560	Report No.	560SNDFW00223

TEST RESULTS						
Standard	PHYS	SICAL PROPERTIES	Result	Comment		
ASTM C 29	Unit	Unit Weight, lbs./cu.ft. =	103.0			
AASHTO T19	Weight	Voids, % =	37			
		☐ Jigged ☐ Loose ✓ Rodded				
ASTM D1557	Modified	Max. density, lbs./cu.ft. =				
AASHTO T180	Proctor	Optimum Moisture, % =				
ASTM D698	Standard	Max. density, lbs./cu.ft. =	103.1			
AASHTO T99	Proctor	Optimum Moisture, % =	7.4			
ASTM D4318	Liquid Limit	Liquid Limit=	0			
AASHTO T89/90	Plastic Limit	Plastic Limit=	0			
	Plasticity Index	Plasticity Index=	NP			
ASTM C131	L.A.	Small Coarse Loss, % =				
AASHTO T96	Abrasion	Grading/Revolutions, =				
ASTM C535	L.A.	Large Coarse Loss, % =				
	Abrasion	Grading/Revolutions, =				
	Fine	0	2.621			
ASTM C 128	Specific	Bulk Specific Gravity, SSD =	2.635			
AASHTO T84	Gravity &	Apparent Specific Gravity =	2.659			
	Absorption	Absorption, % =	0.5			
	Coarse	Bulk Specific Gravity (dry) =				
ASTM C 127	Specific	Bulk Specific Gravity, SSD =				
AASHTO T85	Gravity &	Apparent Specific Gravity =				
70101110 100	Absorption	Absorption, % =				
ASTM D2419	Sand	Sand Equivalent, % =	90			
AASHTO T176	Equivalent	Gana Equivalent, 78				
	Soundness	Coarse Soundness Loss, % =				
ASTM C 88	Countainoss	Sodium No. of Cycles =				
AASHTO T104	Soundness	Fine Soundness Loss, % =	1			
, , , , , , , , , , , , , , , , , , , ,	- Journaliess	Sodium No. of Cycles =	5			
ASTM C 1252	Fine Aggregate	Uncompacted Voids, % =	42.1			
AASHTO T304	Angularity	Method C (as received material)				
ASTM C40	Organic	Coarse Aggregate, % =	Lighter	1		
AASHTO T21	Impurities	Fine Aggregate, % =	Plate #1			
ASTM C142	Clay / Friable	Coarse Aggregate, % =				
AASHTO T112	Particles	Fine Aggregate, % =	0			
ASTM C123	Lightweight	Coarse Aggregate, % =	-			
AASHTO T113	Pieces	Fine Aggregate, % =	0			
ASTM D1883	CBR	Surcharge = 10 lbs CBR @ 0.1"=				
AASHTO T193	OBR	Swell% = 0.0% CBR @ 0.2"=				
ASTM D5821	Fractured Face	1 or 2 Faces =				
ASTNI DOGET	Fractureu Face	Fractured Face, % =				
A CTM D0407	Cail Classificati					
ASTM D2487	Soil Classification	Group Symbol =				
		Group Name =				

ASTM C136 AASHTO T27 Sieve Size % Passing Spec.	SIEVE ANALYSIS					
450 mm (18") 375 mm (15") 300 mm (12") 250 mm (10") 225 mm (9") 200 mm (8") 150 mm (6") 125 mm (5") 100 mm (4") 75.0 mm (3") 63.0 mm (2-1/2") 50.0 mm (2") 37.5 mm (1-1/2") 25.0 mm (1") 19.0 mm (3/4") 12.5 mm (1/4") 4.75 mm (No.4) 2.36 mm (No.8) 99 2.00 mm (No.10) 1.18 mm (No.16) 0.600 mm (No.30) 84 0.425 mm (No.40) 0.300 mm (No.50) 0.150 mm (No.100) 1.5 ASTM D422 Hydrometer = ASTM C566 AASHTO T255 Moisture Content, % = ASTM C136 AASHTO T27 Fineness Modulus (FM) = AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	ASTM C136 AASHTO T27					
375 mm (15") 300 mm (12") 250 mm (10") 225 mm (9") 200 mm (8") 150 mm (6") 125 mm (5") 100 mm (4") 75.0 mm (3") 63.0 mm (2-1/2") 50.0 mm (2") 37.5 mm (1-1/2") 25.0 mm (1") 19.0 mm (3/4") 12.5 mm (1/2") 9.5 mm (3/8") 6.3 mm (1/4") 4.75 mm (No.4) 2.36 mm (No.8) 99 2.00 mm (No.10) 1.18 mm (No.16) 0.600 mm (No.30) 84 0.425 mm (No.40) 0.300 mm (No.50) 0.150 mm (No.100) 1.5 ASTM D422 Hydrometer = ASTM C566 AASHTO T27 Fineness Modulus (FM) = AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	Sieve Size	% Passing	Spec.			
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1.18 mm (No.16) 96 0.600 mm (No.30) 84 0.425 mm (No.40) 0.300 mm (No.50) 49 0.180 mm (No.80) 0.150 mm (No.100) 8 0.075 mm (No.200) 1.5 ASTM D422 Hydrometer = ASTM C566 AASHTO T255 Moisture Content, % = ASTM C136 AASHTO T27 Fineness Modulus (FM) = AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	2.36 mm (No.8)	99				
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ASTM D422 Hydrometer = ASTM C566 AASHTO T255 Moisture Content, % = ASTM C136 AASHTO T27 Fineness Modulus (FM) = AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	0.150 mm (No.100)	8				
Hydrometer = ASTM C566 AASHTO T255 Moisture Content, % = ASTM C136 AASHTO T27 Fineness Modulus (FM) = AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	0.075 mm (No.200)	1.5				
ASTM C566 AASHTO T255 Moisture Content, % = ASTM C136 AASHTO T27 Fineness Modulus (FM) = AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	ASTM D422					
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ASTM C136 AASHTO T27 Fineness Modulus (FM) = AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	ASTM C566 AASHTO T255					
Fineness Modulus (FM) = AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	Moisture Content, % =					
AASHTO M145 Classification of Soils = ASTM D4791 Ratio =	ASTM C136 AASHTO T27					
Classification of Soils = ASTM D4791 Ratio =	Fineness Modulus (FM) =					
ASTM D4791 Ratio =	AASHTO M145					
	Classification of Soils =					
	ASTM D4791 Ratio =					
Flat & Elongated =	Flat & Elongated =					

Soil Description &

Identification

ASTM D2488

Group Symbol =

Group Name =