GENEVA ROCK PRODUCTS, INC.



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AGGREGATE SUBMITTAL

Report of Physical Properties

GRP Material Description:	Washed, 3/4" Concrete Rock	Report Date:	August 1, 2023
GRP Material Code:	ROCA	Reviewed by:	Dan McDaniel
Source Location/Code:	Perry / 590	Report No.	590ROCA00323

TEST RESULTS							
Standard	PHYSICAL PROPERTIES			Test Source			
ASTM C 29	Unit	Unit Weight, lbs./cu.ft. =	98				
AASHTO T19	Weight	Voids, % =	39				
		☐ Jigged ☐ Loose ✓ Rodded					
ASTM D1557	Modified	Max. density, lbs./cu.ft. =					
AASHTO T180	Proctor	Optimum Moisture, % =					
ASTM D698	Standard	Max. density, lbs./cu.ft. =					
AASHTO T99	Proctor	Optimum Moisture, % =					
ASTM D4318	Liquid Limit	Liquid Limit=					
AASHTO T89/90	Plastic Limit	Plastic Limit=					
	Plasticity Index	Plasticity Index=					
ASTM C131	L.A.	Small Coarse Loss, % =	27				
AASHTO T96	Abrasion	Grading/Revolutions, =	B/500				
ASTM C535	L.A.	Large Coarse Loss, % =					
	Abrasion	Grading/Revolutions, =					
	Fine	Bulk Specific Gravity (dry) =					
ASTM C 128	Specific	Bulk Specific Gravity, SSD =					
AASHTO T84	Gravity &	Apparent Specific Gravity =					
	Absorption	Absorption, % =					
	Coarse	Bulk Specific Gravity (dry) =	2.633				
ASTM C 127	Specific	Bulk Specific Gravity, SSD =	2.652				
AASHTO T85	Gravity &	Apparent Specific Gravity =	2.684				
70101110 100	Absorption	Absorption, % =	0.7				
ASTM D2419	Sand	Sand Equivalent, % =	<u> </u>				
AASHTO T176	Equivalent	Gand Equivalent, 70 –					
70.01110 11170	Soundness	Coarse Soundness Loss, % =	1				
ASTM C 88	Soundiess	Sodium No. of Cycles =	5				
AASHTO T104	Soundness	Fine Soundness Loss, % =					
AA31110 1104	Journaliess	Sodium No. of Cycles =					
ASTM C 1252	Fine Aggregate	Uncompacted Voids, % =					
AASHTO T304	Angularity	Method C (as received material)					
ASTM C40	Organic	Coarse Aggregate, % =	Lighter	Plato #1			
AASHTO T21	Impurities	Fine Aggregate, % =	Ligitet	1 1016 #1			
ASTM C142	Clay / Friable	Coarse Aggregate, % =	0.1	l			
	l -		0.1				
AASHTO T112 ASTM C123	Particles	Fine Aggregate, % = Coarse Aggregate, % =	0.0				
	Lightweight	Coarse Aggregate, % = Fine Aggregate, % =	0.0				
AASHTO T113	Pieces	Surcharge = 10 lbs CBR @ 0.1"=					
ASTM D1883	CBR						
AASHTO T193		Swell% = 0.0% CBR @ 0.2"=					
ASTM D5821	Fractured Face	1 or 2 Faces =	1	2			
		Fractured Face, % =	91	84			
ASTM D2487	Soil Classification	Group Symbol =					
		Group Name =					
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SIEVE ANALYSIS						
ASTM C136 AASHTO T27						
Sieve Size	% Passing	Spec.				
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")	100					
19.0 mm (3/4")	99					
12.5 mm (1/2")	51					
9.5 mm (3/8")	24					
6.3 mm (1/4")						
4.75 mm (No.4)	1					
2.36 mm (No.8)	1					
2.00 mm (No.10)						
1.18 mm (No.16)						
0.600 mm (No.30)						
0.425 mm (No.40)						
0.300 mm (No.50)						
0.180 mm (No.80)						
0.150 mm (No.100)						
0.075 mm (No.200)	0.3					
ASTM D422						
Hydrometer =						
ASTM C566 AASHTO T255						
Moisture Content, % =						
ASTM C136 AASHTO T27						
Fineness Modulus (FM) =						
AASHTO M145						
Classification of Soils =						
ASTM D4791 Ratio =	5:1					
Flat & Elongated =	0					

Soil Description &

Identification

ASTM D2488

Group Symbol =

Group Name =