



GENEVA ROCK PRODUCTS, INC.

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AGGREGATE SUBMITTAL Report of Physical Properties

GRP Material Description: Rock, 4" x 1.5"

Report Date: February 13, 2025

GRP Material Code: RK41

Reviewed by: Dan McDaniel

Source Location/Code: Pelican Point / 520

Report No. RK4100125

TEST RESULTS					SIEVE ANALYSIS		
Standard	PHYSICAL PROPERTIES		Result	Test Source	ASTM C136	AASHTO T27	
ASTM C 29	Unit	Unit Weight, lbs./cu.ft. =	95		Sieve Size	% Passing	Spec.
AASHTO T19	Weight	Voids, % =	43		450 mm (18")		
					375 mm (16")		
ASTM D1557	Modified	Max. density, lbs./cu.ft. =			300 mm (12")		
AASHTO T180	Proctor	Optimum Moisture, % =			250 mm (10")		
ASTM D698	Standard	Max. density, lbs./cu.ft. =			225 mm (9")		
AASHTO T99	Proctor	Optimum Moisture, % =			200 mm (8")		
ASTM D4318	Liquid Limit	Liquid Limit=			150 mm (6")		
AASHTO T89/90	Plastic Limit	Plastic Limit=			125 mm (5")		
	Plasticity Index	Plasticity Index=			100 mm (4")	100	
ASTM C131	L.A.	Small Coarse Loss, % =			75.0 mm (3")	82	
AASHTO T96	Abrasion	Grading/Revolutions, =			63.0 mm (2-1/2")		
ASTM C535	L.A.	Large Coarse Loss, % =	21.0		50.0 mm (2")	35	
	Abrasion	Grading/Revolutions, =	2/1000		37.5 mm (1-1/2")	8	
ASTM C 128	Fine	Bulk Specific Gravity (dry) =			25.0 mm (1")	1	
AASHTO T84	Specific	Bulk Specific Gravity, SSD =			19.0 mm (3/4")		
	Gravity &	Apparent Specific Gravity =			12.5 mm (1/2")		
	Absorption	Absorption, % =			9.5 mm (3/8")		
ASTM C 127	Coarse	Bulk Specific Gravity (dry) =	2.615		6.3 mm (1/4")		
AASHTO T85	Specific	Bulk Specific Gravity, SSD =	2.650		4.75 mm (No.4)		
	Gravity &	Apparent Specific Gravity =	2.708		2.36 mm (No.8)		
	Absorption	Absorption, % =	1.30		2.00 mm (No.10)		
ASTM D2419	Sand	Sand Equivalent, % =			1.18 mm (No.16)		
AASHTO T176	Equivalent				0.600 mm (No.30)		
ASTM C 88	Soundness	Coarse Soundness Loss, % =	0.5		0.425 mm (No.40)		
AASHTO T104		Sodium No. of Cycles =	5		0.300 mm (No.50)		
	Soundness	Fine Soundness Loss, % =			0.180 mm (No.80)		
		Magnesium No. of Cycles =			0.150 mm (No.100)		
ASTM C 1252	Fine Aggregate	Uncompacted Voids, % =			0.075 mm (No.200)	0.7	
AASHTO T304	Angularity	Method C (as received material)			ASTM D422		
ASTM C40	Organic	Coarse Aggregate, % =	0		Hydrometer =		
AASHTO T21	Impurities	Fine Aggregate, % =			ASTM C566 AASHTO T255		
ASTM C142	Clay / Friable	Coarse Aggregate, % =	0		Moisture Content, % =		
AASHTO T112	Particles	Fine Aggregate, % =			ASTM C136 AASHTO T27		
ASTM C123	Lightweight	Coarse Aggregate, % =			Fineness Modulus (FM) =		
AASHTO T113	Pieces	Fine Aggregate, % =			AASHTO M145		
ASTM D1883	CBR	Surcharge = 10 lbs CBR @ 0.1"=			Classification of Soils =	A-1-a	
AASHTO T193		Swell% = 0.0% CBR @ 0.2"=			ASTM D4791 Ratio =		
ASTM D5821	Fractured Face	1 or 2 Faces =	1	2	Flat & Elongated =		
		Fractured Face, % =	100	100			
ASTM D2487	Soil Classification	Group Symbol =					
		Group Name =					
ASTM D2488	Soil Description & Identification	Group Symbol =					
		Group Name =					