GENEVA ROCK PRODUCTS, INC.

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AGGREGATE SUBMITTAL

Report of Physical Properties and Aggregate Target Submittal

GRP Material Description:	1.5" UTBC	Report Date	February 12, 2024
GRP Material Code:	GRAD	Reviewed by	: Dan McDaniel
Source Location/Code:	Black Rock / 567	Report No	567GRAD00124

Source		Report I					
TEST RESULTS							
Standard	PHYS	SICAL PROPERTIES	Result	Test Spec.			
ASTM C 29	Unit	Unit Weight, lbs./cu.ft. =	109.0				
AASHTO T19	Weight	Voids, % =	33				
		☐ Jigged ☐ Loose ✓ Rodded					
ASTM D1557	Modified	Max. density, lbs./cu.ft. =	145.4				
AASHTO T180	Proctor	Optimum Moisture, % =	5.1				
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=	NP				
ASTM C131	L.A.	Small Coarse Loss, % =	24				
AASHTO T96	Abrasion	Grading/Revolutions, =					
ASTM C535	L.A.	Large Coarse Loss, % =					
	Abrasion	Grading/Revolutions, =					
	Combined	Bulk Specific Gravity (dry) =	2.608				
ASTM C 128/127	Specific	Bulk Specific Gravity, SSD =	2.628				
AASHTO T84/85	Gravity &	Apparent Specific Gravity =	2.664				
7 2 10111 0 10 1700	Absorption	Absorption, % =	1.3				
	Coarse	Bulk Specific Gravity (dry) =					
ASTM C 127	Specific	Bulk Specific Gravity, SSD =					
AASHTO T85	Gravity &	Apparent Specific Gravity =					
72.00	Absorption	Absorption, % =					
ASTM D2419	Sand	Sand Equivalent, % =	22				
AASHTO T176	Equivalent	Sana Equivalent, 70					
70.00	Soundness	Coarse Soundness Loss, % =	2				
ASTM C 88	Countainos	Sodium No. of Cycles =	5				
AASHTO T104	Soundness	Fine Soundness Loss. % =					
70101110 1104	Countailoss	Sodium No. of Cycles =					
ASTM C 1252	Fine Aggregate	Uncompacted Voids, % =	45.8				
AASHTO T304	Angularity	Method C (as received material)					
ASTM C40	Organic	Coarse Aggregate, % =					
AASHTO T21	Impurities	Fine Aggregate, % =					
ASTM C142	Clay / Friable	Coarse Aggregate, % =	0				
AASHTO T112	Particles	Fine Aggregate, % =	0				
ASTM C123	Lightweight	Coarse Aggregate, % =	0				
AASHTO T113	Pieces	Fine Aggregate, % =	0				
ASTM D1883	CBR	Surcharge = 10 lbs CBR @ 0.1"=	60				
AASHTO T193	2211	Swell% = 0.0% CBR @ 0.2"=	115				
AASHTO 335		1 or 2 Faces =	1	2			
, 0 (0.110 000	Fractured Face	Fractured Face, % =	90	83			
ASTM D2487	Soil Classification	Group Symbol =					
AO 1101 D2407	Juli Glassification	Group Symbol = Group Name =					
		Oroup Name -					

SIEVE ANALYSIS						
ASTM C136 AASHTO T27						
	Target %					
Sieve Size	Passing	Spec.				
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")	100					
25.0 mm (1")	90	81-99				
19.0 mm (3/4")	77	68-86				
12.5 mm (1/2")	67	58-76				
9.5 mm (3/8")	61	52-70				
6.3 mm (1/4")						
4.75 mm (No.4)	45	38-52				
2.36 mm (No.8)	38					
2.00 mm (No.10)	33					
1.18 mm (No.16)	28	23-33				
0.600 mm (No.30)	23					
0.425 mm (No.40)	20					
0.300 mm (No.50)	18					
0.180 mm (No.80)						
0.150 mm (No.100)	14					
0.075 mm (No.200)	11	8-14				
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 to 1					
Flat & Elongated, % =	0					

Soil Description &

Identification

ASTM D2488

Group Symbol =

Group Name =