



# GENEVA ROCK PRODUCTS, INC.

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## AGGREGATE SUBMITTAL Report of Physical Properties

GRP Material Description: Screened Sand

Report Date: June 5, 2026

GRP Material Code: SNDC

Reviewed by: Dan McDaniel

Source Location/Code: Mona/606

Report No. 506SNDC00226

TEST RESULTS					SIEVE ANALYSIS	
Standard	PHYSICAL PROPERTIES		Result	Test Source	ASTM C136	AASHTO T27
ASTM C 29 AASHTO T19	Unit Weight	Unit Weight, lbs./cu.ft. =	<b>115</b>		<b>Sieve Size</b>	<b>% Passing</b>
	Weight	Voids, % =	<b>27</b>		450 mm (18")	
		<input type="checkbox"/> Jig <input type="checkbox"/> L <input checked="" type="checkbox"/> Rodd			375 mm (15")	
ASTM D1557 AASHTO T180	Modified Proctor	Max. density, lbs./cu.ft. =	<b>137.7</b>		300 mm (12")	
		Optimum Moisture, % =	<b>6.1</b>		250 mm (10")	
ASTM D698 AASHTO T99	Standard Proctor	Max. density, lbs./cu.ft. =			225 mm (9")	
		Optimum Moisture, % =			200 mm (8")	
ASTM D4318 AASHTO T89/90	Liquid Limit	Liquid Limit =	<b>18</b>		150 mm (6")	
	Plastic Limit	Plastic Limit =	<b>15</b>		125 mm (5")	
	Plasticity Index	Plasticity Index =	<b>3</b>		100 mm (4")	
ASTM C131 AASHTO T96	L.A. Abrasion	Small Coarse Loss, % =			75.0 mm (3")	
		Grading/Revolutions, =			63.0 mm (2-1/2")	
ASTM C535	L.A. Abrasion	Large Coarse Loss, % =			50.0 mm (2")	
		Grading/Revolutions, =			37.5 mm (1-1/2")	
ASTM C 128 AASHTO T84	Fine Specific Gravity & Absorption	Bulk Specific Gravity (dry) =	<b>2.552</b>		25.0 mm (1")	
		Bulk Specific Gravity, SSD =	<b>2.586</b>		19.0 mm (3/4")	
		Apparent Specific Gravity =	<b>2.641</b>		12.5 mm (1/2")	<b>100</b>
		Absorption, % =	<b>1.3</b>		9.5 mm (3/8")	<b>98</b>
ASTM C 127 AASHTO T85	Coarse Specific Gravity & Absorption	Bulk Specific Gravity (dry) =			6.3 mm (1/4")	
		Bulk Specific Gravity, SSD =			4.75 mm (No.4)	<b>71</b>
		Apparent Specific Gravity =			2.36 mm (No.8)	<b>43</b>
		Absorption, % =			2.00 mm (No.10)	<b>39</b>
ASTM D2419 AASHTO T176	Sand Equivalent	Sand Equivalent, % =	<b>47</b>		1.18 mm (No.16)	<b>34</b>
					0.600 mm (No.30)	<b>31</b>
ASTM C 88 AASHTO T104	Soundness	Coarse Soundness Loss, % =	<b>2</b>		0.425 mm (No.40)	<b>30</b>
		Sodium No. of Cycles =	<b>5</b>		0.300 mm (No.50)	<b>29</b>
	Soundness	Fine Soundness Loss, % =			0.180 mm (No.80)	
		Magnesium No. of Cycles =			0.150 mm (No.100)	<b>27</b>
ASTM C 1252 AASHTO T304	Fine Aggregate Angularity	Uncompacted Voids, % =			0.075 mm (No.200)	<b>23.1</b>
		Method C (as received material)			ASTM D422	
ASTM C40 AASHTO T21	Organic Impurities	Coarse Aggregate, % =	<b>1</b>		<b>Hydrometer =</b>	
		Fine Aggregate, % =			ASTM C566 AASHTO T255	
ASTM C142 AASHTO T112	Clay / Friable Particles	Coarse Aggregate, % =	<b>0.3</b>		<b>Moisture Content, % =</b>	
		Fine Aggregate, % =			ASTM C136 AASHTO T27	
ASTM C123 AASHTO T113	Lightweight Pieces	Coarse Aggregate, % =	<b>0</b>		<b>Fineness Modulus (FM) =</b>	
		Fine Aggregate, % =			AASHTO M145	
ASTM D1883 AASHTO T193	CBR	Surcharge = 10 lbs CBR @ 0.1" =	<b>78</b>		<b>Classification of Soils =</b>	<b>A-1-b</b>
		Swell% = 0.0% CBR @ 0.2" =	<b>97</b>		ASTM D4791 Ratio =	
ASTM D5821	Fractured Face	1 or 2 Faces =	<b>1</b>	<b>2</b>	<b>Flat &amp; Elongated =</b>	
		Fractured Face, % =	<b>99</b>	<b>93</b>		
ASTM D2487	Soil Classification	Group Symbol =				
		Group Name =				
ASTM D2488	Soil Description & Identification	Group Symbol =				
		Group Name =				