



2023

Product Data Sheet  
Plant: Piney River

I. GEOLOGICAL FORMATION: APLITE

II. CHEMICAL ANALYSIS (3/2023) :

Silica	as SiO2	57.9%	Calcium	as CaO	5.5%
Iron	as Fe2O3	2.6%	Magnesium	as MgO	1.2%
Aluminum	as Al2O3	20.4%	Sulphur	as S	0.1%

III. QUALITY DATA:		Product													
TEST	TEST DATE	MP 1	MP 2	MP 3	MP 57	IMP 68	MP 78	MP 8	IMP 8/8P	9	B Sand	IMP A Sand	MP A Sand	10	
<b>*SPECIFIC GRAVITY*</b>															
BULK (ASPHALT)	3/23	2.747	2.734	2.735	2.730	2.727	2.720	2.735	2.740	2.735	2.710	2.717	2.702	2.700	
BULK - SSD (CONCRETE)	3/23	2.759	2.744	2.751	2.744	2.740	2.742	2.751	2.757	2.751	2.728	2.740	2.730	2.731	
APPARENT	3/23	2.784	2.761	2.778	2.768	2.762	2.781	2.780	2.787	2.781	2.761	2.781	2.781	2.785	
% ABSORPTION	3/23	0.4%	0.4%	0.6%	0.5%	0.5%	0.8%	0.6%	0.6%	0.6%	0.7%	0.9%	1.1%	1.1%	
<b>* LOS ANGELES DEGRADATION *</b>															
GRADING A % LOSS	3/23	16.7%													
GRADING B % LOSS	3/23	18.5%													
GRADING C % LOSS	3/23	19.6%													
SOUNDNESS % LOSS (Magnesium Sulfate)	3/23	0.3%	0.3%	0.3%	0.4%	0.4%	0.5%	0.6%	0.5%	3.0%	3.6%	4.1%	4.1%	3.2%	
SOUNDNESS % LOSS (Sodium Sulfate)															
<b>* SUPERPAVE *</b>															
ASTM C1252 % VOIDS (METH A)	3/23										45.7%	45.8%	48.8%	49.3%	
AASHTO T 176 SAND EQUIVALENT	3/23										96	97	97	83	
ASTM D4791 % F & E (5:1)	3/23				0.6%	0.0%	4.9%	4.3%	0.0%						