



2019

Product Data Sheet
Plant: Piney River

I. GEOLOGICAL FORMATION: APLITE

II. CHEMICAL ANALYSIS (February 2019) :

Silica	as SiO ₂	59.1%	Calcium	as CaO	5.9%
Iron	as Fe ₂ O ₃	1.4%	Magnesium	as MgO	0.6%
Aluminum	as Al ₂ O ₃	21.7%	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	IMP 9	B Sand	IMP A Sand	MP A Sand	10	
SPECIFIC GRAVITY																
BULK (ASPHALT)	1/19	2.754	2.737	2.741	2.730	2.741	2.811	2.735	2.739	2.717	2.720	2.724	2.695	2.705	2.701	
BULK - SSD (CONCRETE)	1/19	2.764	2.746	2.753	2.741	2.751	2.825	2.750	2.752	2.742	2.738	2.746	2.715	2.723	2.723	
APPARENT	1/19	2.782	2.762	2.775	2.759	2.769	2.852	2.776	2.775	2.787	2.771	2.785	2.749	2.756	2.761	
% ABSORPTION	1/19	0.4%	0.3%	0.4%	0.4%	0.4%	0.5%	0.5%	0.5%	0.9%	0.7%	0.8%	0.7%	0.7%	0.8%	
* LOS ANGELES DEGRADATION *																
GRADING A % LOSS	1/19	12.9%														
GRADING B % LOSS	1/19	14.0%														
GRADING C % LOSS	1/19	12.5%														
SOUNDNESS % LOSS (Magnesium Sulfate)	1/19		0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	1.3%	1.3%	1.6%	1.7%	1.8%	4.3%
SOUNDNESS % LOSS (Sodium Sulfate)																0
Stone (lb/sq yd)																
Emulsion (gal/sq yd)																
* SUPERPAVE *																
ASTM C1252 % VOIDS (METH A)	1/19											48.9%	45.3%	48.5%	49.0%	
AASHTO T 176 SAND EQUIVALENT	1/19											96	96	96	81	
ASTM D4791 % F & E (5:1)	1/19				1.4%	0.0%	1.5%	0.9%	0.0%							