



2023

Product Data Sheet
Plant: Fieldale

I. GEOLOGICAL FORMATION: BIOTITE GNEISS

II. CHEMICAL ANALYSIS (3/2023) :

Silica	as SiO ₂	53.8%	Calcium	as CaO	5.1%
Iron	as Fe ₂ O ₃	9.5%	Magnesium	as MgO	3.9%
Aluminum	as Al ₂ O ₃	14.8%	Sulphur	as S	0.4%

III. QUALITY DATA:			Product													
TEST	TEST DATE		1	3	5	W 57	REG 57	68	78	8P	8	9	10C	10	B Slurry	C Slurry
* SPECIFIC GRAVITY *																
BULK (ASPHALT)	1/23		2.832	2.824	2.817	2.817	2.813	2.792	2.780	2.795	2.805	2.813	2.797	2.795	2.798	2.792
BULK - SSD (CONCRETE)	1/23		2.837	2.833	2.828	2.836	2.826	2.807	2.801	2.819	2.825	2.831	2.815	0.811	2.817	2.806
APPARENT	1/23		2.846	2.851	2.849	2.871	2.850	2.833	2.839	2.865	2.862	2.865	2.848	2.842	2.852	2.833
% ABSORPTION	1/23		0.2%	0.3%	0.4%	0.7%	0.5%	0.5%	0.8%	0.9%	0.7%	0.7%	0.6%	0.6%	0.7%	0.8%
* LOS ANGELES DEGRADATION *																
GRADING A % LOSS	1/23	28.7%														
GRADING B % LOSS	1/23	26.7%														
GRADING C % LOSS	1/23	30.9%														
GRADING D % LOSS																
SOUNDNESS % LOSS (Magnesium Sulfate)	1/23		0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	3.2%	4.7%	3.5%	3.5%	3.0%
SOUNDNESS % LOSS (Sodium Sulfate)																
Surface Treatment Rate of Application																
Stone (lb/sq yd)																
Emulsion (gal/sq yd)																
* SUPERPAVE *																
ASTM C1252 % VOIDS (METH A)	1/23												48.2%	49.5%	50.0%	50.9%
AASHTO T 176 SAND EQUIVALENT	1/23												97	81	78	80
ASTM D4791 % F & E (5:1)	1/23			0.0%	0.7%	0.6%	0.3%	0.0%	0.7%	0.8%						