



FIELDALE 2025

Product Data Sheet
Plant: Fieldale

I. GEOLOGICAL FORMATION: BIOTITE GNEISS

II. CHEMICAL ANALYSIS (March 2025) :

Silica	as SiO ₂	58.8%	Calcium	as CaO	2.5%
Iron	as Fe ₂ O ₃	10.2%	Magnesium	as MgO	2.9%
Aluminum	as Al ₂ O ₃	15.0%	Sulphur	as S	0.8%

III. QUALITY DATA:

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TEST	TEST DATE		1	3	5	467	W 57	REG 57	68	78	8P	8	9	10C	10	B Slurry	C Slurry
* SPECIFIC GRAVITY *																	
BULK (ASPHALT)	2/25		2.895	2.890	2.869	2.859	2.856	2.863	2.842	2.837	2.847	2.845	2.830	2.830	2.831	2.830	2.831
BULK - SSD (CONCRETE)	2/25		2.902	2.898	2.879	2.869	2.866	2.873	2.859	2.851	2.865	2.861	2.853	2.853	2.853	2.854	2.853
APPARENT	2/25		2.915	2.914	2.897	2.887	2.884	2.892	2.892	2.877	2.889	2.890	2.896	2.896	2.894	2.900	2.897
% ABSORPTION	2/25		0.2%	0.3%	0.3%	0.3%	0.3%	0.4%	0.6%	0.5%	0.6%	0.6%	0.8%	0.8%	0.8%	0.9%	0.8%
DRY RODDED (LBS/CUBIC FT)	2/25		99.5	102.2	102.8	103.3	104.9	104.3	102.3	102.3	100.4	103.6	96.6	110.0	119.9	123.1	123.7
DRY RODDED (LBS/CUBIC YARD)	2/25		2686.5	2759.4	2775.6	2789.1	2832.3	2816.1	2762.1	2762.1	2710.8	2797.2	2608.2	2970.0	3237.3	3323.7	3339.9
DRY RODDED (% VOIDS)	2/25		44.9%	43.3%	42.6%	42.1%	41.1%	41.6%	42.3%	42.2%	43.5%	41.7%	45.4%	37.7%	32.0%	30.3%	30.0%
DRY RODDED (Kg/Cubic Meter)	2/25		1594	1637	1647	1655	1680	1671	1639	1639	1608	1660	1547	1762	1921	1972	1981
VTM-5 % VOIDS IN STONE SAND	2/25													55.0%	55.4%	55.0%	54.9%
ASTM C1252 % VOIDS (METH B)	2/25													54.2%	53.6%	53.1%	54.4%
ASTM C1252 % VOIDS (METH C)	2/25													45.2%	41.3%	41.3%	42.2%
ASTM D4791 % F & E (3:1)	2/25				7.1%	8.2%	9.4%	9.1%	15.6%	11.1%	13.8%	18.7%					
* LOS ANGELES DEGRADATION *																	
GRADING A % LOSS	2/25	18.4%															
GRADING B % LOSS	2/25	21.2%															
GRADING C % LOSS	2/25	26.4%															
GRADING D % LOSS																	
SOUNDNESS % LOSS (Magnesium Sulfate)	2/25		0.4%	0.8%	0.5%	0.5%	0.5%	0.5%	0.6%	0.6%	0.7%	0.7%	3.6%	8.4%	5.8%	5.5%	4.5%
SOUNDNESS % LOSS (Sodium Sulfate)																	
* SUPERPAVE *																	
ASTM C1252 % VOIDS (METH A)	2/25													49.3%	49.5%	49.0%	49.0%
AASHTO T 176 SAND EQUIVALENT	2/25													97	77	75	84
ASTM D4791 % F & E (5:1)	2/25				0.9%	1.2%	0.3%	0.4%	1.4%	1.6%	1.8%	2.7%					
ASTM D5821 % FRACTURE FACES	2/25				100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%					