



2024

Product Data Sheet
Plant: Blue Ridge

I. GEOLOGICAL FORMATION: Conococheague Limestone

II. CHEMICAL ANALYSIS (MAY 2024) :

Silica	as SiO2	6.6%	Calcium	as CaO	45.5%	as CaCO3	79.0%
Iron	as Fe2O3	0.9%	Magnesium	as MgO	5.0%	as MgCO3	11.0%
Aluminum	as Al2O3	1.6%	Calcium Carbonate Equiv.			CCE	85.0%
Sulfur	as S						

III. QUALITY DATA:			Product													
TEST	TEST DATE		Gabion	1	3	467	5	Coarse 57	Concrete 57	68	78	8/8P	9	A Sand	10 Block Mix	LIME
* SPECIFIC GRAVITY *																
BULK (ASPHALT)	5/24		2.752	2.744	2.742	2.741	2.730	2.738	2.737	2.729	2.727	2.724	2.700	2.706	2.703	2.694
BULK - SSD (CONCRETE)	5/24		1.755	2.754	2.756	2.751	2.748	2.751	2.750	2.742	2.745	2.745	2.711	2.730	2.733	2.720
APPARENT	5/24		1.791	2.772	2.780	2.770	2.780	2.774	2.774	2.764	2.778	2.783	2.730	2.773	2.785	2.768
% ABSORPTION	5/24		0.5%	0.4%	0.5%	0.4%	0.7%	0.4%	0.5%	0.5%	0.7%	0.8%	0.4%	0.9%	1.1%	1.0%
* UNIT WEIGHT *																
DRY RODDED (LBS/CUBIC FT)	5/24		93.4	98.3	99.8	96.5	98.1	96.9	103.9	103.5	103.9	103.3	99.9	103.0	99.6	87.7
DRY RODDED (LBS/CUBIC YARD)	5/24		2521.8	2654.1	2694.6	2605.5	2648.7	2616.3	2805.3	2794.5	2805.3	2789.1	2697.3	2781.0	2689.2	2367.9
DRY RODDED (% VOIDS)	5/24		45.6%	42.6%	41.7%	43.6%	42.4%	43.3%	39.2%	39.2%	38.9%	39.2%	40.7%	39.0%	40.9%	47.8%
DRY RODDED (Kg/Cubic Meter)	5/24		1496	1575	1599	1546	1571	1552	1664	1658	1664	1655	1600	1650	1595	1405
VTM-5 % VOIDS IN STONE SAND	5/24													47.1%	46.7%	
ASTM C1252 % VOIDS (METH B)	5/24													51.0%	51.2%	
ASTM C1252 % VOIDS (METH C)	5/24													43.8%	47.0%	
ASTM D4791 % F & E (3:1)	5/24					16.3%	27.5%	5.6%	6.4%	11.4%	13.9%	16.4%				
* LOS ANGELES DEGRADATION *																
GRADING A % LOSS	5/24	18.6%														
GRADING B % LOSS	5/24	18.9%														
GRADING C % LOSS	5/24	16.0%														
SOUNDNESS % LOSS (Magnesium Sulfate)	5/24		0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.3%	0.4%	0.4%	9.1%	1.9%	1.9%	0.8%
SOUNDNESS % LOSS (Sodium Sulfate)																
* SUPERPAVE *																
ASTM C1252 % VOIDS (METH A)	5/24													47.5%	47.3%	
AASHTO T 176 SAND EQUIVALENT	5/24													91	70	
ASTM D4791 % F & E (5:1)	5/24				1.5%	0.6%	0.0%	0.2%	0.5%	1.4%	0.9%					