



2023

Product Data Sheet
Plant: Mt. Athos

I. GEOLOGICAL FORMATION: GREENSTONE

II. CHEMICAL ANALYSIS (3/2023) :

Silica	as SiO ₂	49.9%	Calcium	as CaO	6.1%
Iron	as Fe ₂ O ₃	13.9%	Magnesium	as MgO	6.4%
Aluminum	as Al ₂ O ₃	13.2%	Sulphur	as S	<.05%

III. QUALITY DATA:			Product						
TEST	TEST DATE		3	57	78	8	9	A SAND	
* SPECIFIC GRAVITY *									
BULK (ASPHALT)	3/23		2.999	3.010	2.993	2.985	2.992	2.975	
BULK - SSD (CONCRETE)	3/23		3.014	3.024	3.006	3.002	3.013	3.000	
APPARENT	3/23		3.043	3.051	3.031	3.036	3.057	3.051	
% ABSORPTION	3/23		0.5%	0.5%	0.4%	0.6%	0.8%	0.8%	
* LOS ANGELES DEGRADATION *									
GRADING A % LOSS	3/23	24.3%							
GRADING B % LOSS	3/23	22.4%							
GRADING C % LOSS	3/23	24.6%							
SOUNDNESS % LOSS (Magnesium Sulfate)	3/23		0.5%	0.7%	0.5%	0.5%	4.5%	3.1%	
SOUNDNESS % LOSS (Sodium Sulfate)									
* SUPERPAVE *									
ASTM C1252 % VOIDS (METH A)	3/23							50.1%	
AASHTO T 176 SAND EQUIVALENT	3/23							93	
ASTM D4791 % F & E (5:1)	3/23			5.7%	8.8%	8.0%			