

Top Grade Aggregates, LLC - Mechanical Analysis Report

Material:	Sampled From:	Specification:	MDOT Pit No.:	Job: N/A							
Fine Aggregate	Ionia Reservec 468 W. Sprague Rd. Ionia, MI	Bedding Sand Mason Sand	34-0087SG	Producer: Top Grade Aggregates, LLC							
Sieve	% Passing	Retained Fractional	Percents Cumulative	Test: Load Out	Sample Date:	8/15/2025					
		Weight	Percent	Retained	Passing	Initial Weight of Sample	593	gm			
2-1/2"						Weight After Washing	590	gm			
2"						Loss By Washing	0 - 5	3	gm	0.5	%
1-1/2"						Fineness Modulus					
1"						Crushed Material		gm			%
3/4"						Organic Plate No.					
1/2"						Clay-Ironstone		gm			%
3/8"						(1) Soft Particles Including:					
No. 4		0	0.0	0.0	100	Clay-Ironstone		gm			%
No. 8		1	0.2	0.2	100	(2) Chert		gm			%
No. 16		1	0.2	0.4	100	Sum of (1) + (2)		gm			
No. 30		5	0.8	1.2	99	Material:	Meets			Fails	
No. 50		164	27.7	28.9	71	REMARKS: Gradation Purposes Only Moisture- 3.3%					
No. 100		375	63.2	92.1	8						
No. 200		0	0.0	92.1	7	Aggregate Technician (eSignature):	Test Date:				
PAN		44	7.4	99.5		Andy Swett		8/15/2025			
LBW		3	0.5	100.0		Certification Number: 104148-0427		4/30/2027			
TOTAL		593	100.0								