


Top Grade Aggregates, LLC - Mechanical Analysis Report

Material:	Sampled From:		Specification:		MDOT Pit No.:		Job: N/A			
Granular	Ionia Reserve 468 W. Sprague Rd. Ionia, MI		Class IIIA Sand		34-00087SG		Producer: Top Grade Aggregates, LLC			
Sieve	% Passing	Retained Fractional	Percents Cumulative		Test: 1-2025	Sample Date:	5/18/2025			
		Weight	Percent	Retained	Passing	Initial Weight of Sample		1135	gm	
3"		0	0.0	0.0	100	Weight After Washing		1088	gm	
2-1/2"		0	0.0	0.0	100	Loss By Washing	0 - 15%	47	gm	4
2"		0	0.0	0.0	100	Fineness Modulus				
1-1/2"		0	0.0	0.0	100	Crushed Material			gm	%
1"		0	0.0	0.0	100	Clay-Ironstone			gm	%
3/4"		0	0.0	0.0	100	(1) Soft Particles Including:				
1/2"		0	0.0	0.0	100			Clay-Ironstone		gm
3/8"	100	100	2	0.2	0.2	100	(2) Chert		gm	%
No. 4	50	100	48	4.2	4.4	96	Sum of (1) + (2)		gm	
No. 8			113	10.0	14.4	86	Material:	Meets	X	FAILS
No. 16			118	10.4	24.8	75	REMARKS: Meets all Class IIIA Sand Requirements. Nominal Screen size-3/8" Moisture- 4.9%			
No. 30			169	14.9	39.7	60				
No. 50			356	31.3	71.0	29				
No. 100	0	30	238	21.0	92.0	8	Aggregate Technician (eSignature):		Test Date:	
No. 200			0	0.0	92.0	8	 Andy Swett		5/19/2025	
PAN			44	4.5	96.5					
LBW			47	3.5	100.0		Certification Number: 104148-0427		Expires: 4/30/27	
TOTAL			1135	100.0			Endorsements: ABCDEFG		Level II	