


### 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 IIAA Sand		34-00087SG		Producer: Top Grade Aggregates, LLC				
Sieve	% Passing	Retained Fractional	Percents Cumulative		Test: 1-2025	Sample Date:	5/16/2025				
		Weight	Percent	Retained	Passing	Initial Weight of Sample		1135	gm		
3"	100	100	0	0.0	0.0	100	Weight After Washing		1088	gm	
2-1/2"			0	0.0	0.0	100	Loss By Washing	0 - 5%	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"	60	100	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"			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	<b>REMARKS: Meets all Class IIAA Sand Requirements.</b> <b>Nominal Screen size-3/8"</b> <b>Moisture- 4.9%</b>				
No. 30			169	14.9	39.7	60					
No. 50			356	31.3	71.0	29					
No. 100	0	20	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		
<b>TOTAL</b>			1135	100.0			Endorsements: ABCDEFG		Level II		