


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 II Sand			34-00087SG		Producer: Top Grade Aggregates, LLC			
Sieve	% Passing	Retained Fractional	Percents Cumulative		Test: 2-2025	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 - 7%	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	REMARKS: Meets all Class II 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			Certification Number: 104148-0427		Expires: 4/30/27		
LBW		47	3.5	100.0			Endorsements: ABCDEFG		Level II		
TOTAL		1135	100.0								