

### Top Grade Aggregates, LLC - Mechanical Analysis Report

Material:	Sampled From:		Specification:		MDOT Pit No:		Job: N/A				
Dense Graded Aggregate	Ionia Reserve 468 Sprague Rd. Ionia, MI 48846		23A Natural		34-0087SG		Producer: Top Grade Aggregates, LLC				
Sieve	% Passing		Retained Fractional		Percents Cumulative		Test: 10-2025	Sample Date:		11/14/2025	
			Weight	Percent	Retained	Passing	Initial Weight of Sample		2940	gm	
2-1/2"							Weight After Washing		2538	gm	
2"							Loss By Washing	9 - 16%	402	gm	14
1-1/2"							Fineness Modulus		-		-
1"	100	100	0	0.0	0.0	100	Crushed Material	25% min	800	gm	88
3/4"			332	11.3	11.3	89	Organic Plate No.				
1/2"			421	14.3	25.6	74	Clay-Ironstone			gm	%
3/8"	60	85	150	5.1	30.7	69	(1) Soft Particles Including:				
No. 4			275	9.4	40.1	60	Clay-Ironstone			gm	%
No. 8	25	60	175	6.0	46.1	54	(2) Chert			gm	%
No. 16			147	5.0	51.1	49	Sum of (1) + (2)			gm	
No. 30							Material:		Meets	X	FAILS
No. 50	<b>REMARKS: Meets all 23A Requirements.</b>										
No. 100	<b>Moisture- 4.7% Pk- 904</b>										
No. 200							Aggregate Technician (eSignature):		Test Date:		
PAN			1038	35.2	86.3	14	Andy Swett		11/17/2025		
LBW			402	13.7	100.0	0					
<b>TOTAL</b>			2940	100.0			Certification Number: 104148-0427		Expires: 4/30/2027		