

## Top Grade Aggregates, LLC - Mechanical Analysis Report

Material:	Sampled From:		Specification:			MDOT Pit No.:		Job: N/A				
Granular	Patterson Reserve 3300 N. Patterson Road		Class II Sand			08-0018SG		Producer: Top Grade Aggregates, LLC				
Sieve	% Passing	Retained Fractional	Percents Cumulative		Test: Load Out	Sample Date:		4/24/2025				
		Weight	Percent	Retained	Passing	Initial Weight of Sample		3264	gm			
3"	100	100	0	0.0	0.0	100	Weight After Washing		3087	gm		
2-1/2"			0	0.0	0.0	100	Loss By Washing	0-5%	177	gm	5	%
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	Organic Plate No.					
3/4"			0	0.0	0.0	100	Clay-Ironstone			gm		%
1/2"			25	0.8	0.8	99	(1) Soft Particles Including:					
3/8"			18	0.6	1.4	99	Clay-Ironstone				gm	%
No. 4	50	100	95	2.9	4.3	96	(2) Chert				gm	%
No. 8			120	3.7	8.0	92	Sum of (1) + (2)				gm	
No. 16			41	1.3	9.3	91	Material:	Meets	X	FAILS		
No. 30			1240	37.9	47.2	53	<b>REMARKS: Meets all Class II Sand Requirements</b>  <b>Moisture- 4.9%</b>					
No. 50			1132	34.6	81.8	18						
No. 100	0	30	290	8.9	90.7	9						
No. 200							Aggregate Technician (eSignature):		Test Date:			
PAN			126	3.9	94.6		Andy Swett		4/24/2025			
LBW			177	5.4	100.0							
<b>TOTAL</b>			3264	100.0			Certification Number: 104148-0427		Expires: 4/30/27			