

Clear Form

Michigan Department
Of Transportation
1903B (05/15)

REPORT OF QUALITY ASSURANCE TESTING

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File 208

CONTROL SECTION STU 82000		JOB NUMBER 205935A	PROJECT LOCATION HMA Resurfacing 20+ Various Locations	MIX DESIGN NO 19MD140	MIXTURE TYPE 5E3	DATE SAMPLED 11/19/19	DATE TESTED 11/25/19
CONTRACTOR AJAX Paving Industries, Inc.				PLANT NUMBER 20-10	PLANT LOCATION Warren (Sherwood)		SUBLOT SIZE AM
PROJECT ENGINEER Richard T. Doherty - City of Detroit Engineering			NAME OF TESTER (Please Print) Brian Gondek - Somat Engineering, Inc.		QUALIFICATION NO. 0383-0421	LOT NUMBER 7	SUB LOT NUMBER 1
Gb 1.029	Gsb 2.696	Gse 2.763	NAME OF TESTER (Signature) Brian Gondek Digitally signed by Brian Gondek DN: cn=Brian Gondek, o=Somat Engineering Inc., ou=Laboratory Supervisor, email=bgondek@somateng.com, c=US Date: 2019.11.26 13:48:07 -05'00'		FORM 1911 DATE 09/30/19	SUBLOT RANDOM TONS 50.82	ACCUMULATED TONS 403.65

TEST RESULTS							TEST RESULTS						
	JMF	MDOT	CONTR	MDOT DIFF. JMF*	MDOT DIFF. CONTR*	TOL		JMF	MDOT	CONTR	MDOT DIFF. JMF*	MDOT DIFF. CONTR*	TOL
P 1-½" (37.5 mm)	100.00	100.00		0.00	100.00	+/- 5.0	ASPHALT %	6.15	6.48		0.33	6.48	-0.3 / +0.4
P 1" (25.0 mm)	100.00	100.00		0.00	100.00	+/- 5.0	Gmm	2.504					
P ¾" (19.0 mm)	100.00	100.00		0.00	100.00	+/- 5.0	Gmb @ N DESIGN	2.416					
P ½" (12.5 mm)	100.00	99.64		-0.36	99.64	+/- 5.0	AIR VOIDS	3.50					
P 3/8" (9.5 mm)	99.50	98.20		-1.30	98.20	+/- 5.0	VMA	15.90					
P No. 4 (4.75 mm)	83.50	82.29		-1.21	82.29	+/- 5.0	VFA	77.99					
P No. 8 (2.36 mm)	62.20	62.38		0.18	62.38	+/- 5.0	F/A RATIO	1.17					
P No. 16 (1.18 mm)	46.40	47.72		1.32	47.72			GRADE		CERTIFIED SUPPLIER/LOCATION/CERT#			% ADD
P No. 30 (600 µm)	34.80	32.98		-1.82	32.98	+/- 4.0	ASPHALT BINDER	PG 58-28		Ajax Terminal/Detroit/2500			4.54
P No. 50 (300 µm)	18.20	17.25		-0.95	17.25		Gmb WEIGHTS/COMPACTION TEMPERATURE 280 degrees F						
P No. 100 (150 µm)	10.20	8.94		-1.26	8.94								
P No. 200 (75 µm)	6.20	6.81		0.61	6.81	+/- 1.0	NUMBER OF SOLVENT WASHES (When using the vacuum extraction method for Asphalt %)						
CRUSH – 1 FACE	97.7	97.3		-0.4	97.3	< 10%							
CRUSH – 2 FACE													

REMARKS Load: 8, Time: 10:25 AM, Location: Southfield & Tireman, Field Sampled by: Ryan Castillo

Within RANGE 1 tolerance limits for Top Course (12SP-501J-05 dated 07-05-16)

*CIRCLE TEST RESULTS OUT OF TOLERANCE