October 21, 2008
Supersedes April 15, 2008

HOT MIX ASPHALT

Section 2303, 2113, & 2114

Matls. IM 204
Appendix F (Metric) Units

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE & RELATED IMs	QUALITY CONTROL					INDEPENDENT ASSURANCE, & VERIFICATION S&T						REMARKS
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ. Note 1	SAMPLE SIZE	TEST BY	REPORT	
SOURCE INSPECTION														
Aggregates-Coarse (4127)		AS 209												
Aggregates-Fine (4127)		AS 209												
Hydrated Lime (4127)		AS 491.04												
Asphalt Binder		AS 437												
Emulsions & Cutbacks		AS 437												
Release Agent		AS 491.15												
PLANT INSPECTION														
Aggregates (2303)	Quality							V	DME	1/20,000 Mg	22 kg	CTRL		
Combined Aggregate (4127)	Gradation		RCE/ CONTR	1/lot	IM 301	CONTR		V IA	RCE/ CONTR	Sample 1/day, Test 1st day + 20% Systems Approach*	IM 301	DME/RCE DME	IM 216 IM 216	
	Moisture		CONTR	1/halfday	1000 gm	CONTR								Dryer Drum Plants Only

AS-Approved Source
ASD-Approved Shop Drawing
S&T-Sampling & Testing

Cert A-Type A Certification
Cert C-Type C Certification
Cert D-Type D Certification

RCE-Resident Construction Engineer/Project Engineer
DME-District Materials Engineer
CTRL-Central Materials Office
CONTR-Contractor

IA-Independent Assurance
V-Verification

*A project approach may be applied at the discretion of the DME at the frequency 1/project.

NOTE: RCE/CONTR indicates that the contractor shall assist in the sampling at the direction of and witnessed by the project engineer.

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE & RELATED IMs	QUALITY CONTROL					INDEPENDENT ASSURANCE, & VERIFICATION S&T						REMARKS
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
PLANT INSPECTION														
Mineral Filler								V	DME	1/project	5 kg	DME	821278	
Asphalt Binder	DSR Quality	AS Cert D						V V IA	RCE/ CONTR DME	Sample 1/day, Test 1st 3days + 1/week 1/20,000 Mg Systems Approach	120 ml 1 L	DME CTRL		Log all shipments
Cutback	Quality Viscosity	AS 329												Log all shipments
Emulsion	Residue	AS 360						V	RCE	1/project	1 L	DME		Plastic bottle required
GRADE INSPECTION														
Uncompacted Mixture:	Lab Density & Lab Voids	321, 350 325G	RCE/ CONTR	As per 2303	14 kg	CONTR		V IA	RCE/ CONTR	As per 2303, Test 1/day Systems Approach	14 kg	DME		
Compacted Mixture	Density Thickness Voids	320, 321 337						V IA	RCE/ CONTR DME	Lot 1 lot/project*	7/lot	RCE DME		
	Smoothness	341	CONTR	100%	100%	CONTR		V	DME	10%		DME		

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* A system approach may be applied at the discretion of the DME.

NOTE: A Verification sample for asphalt binder quality and aggregate quality not required under 2000 Mg of mix.

NOTE: RCE/CONTR indicates that the contractor shall assist in the sampling at the direction of and witnessed by the project engineer.