

Sampling & Testing Guide-Minimum Frequency

April 15, 2008
Supersedes April 17, 2007

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 1 st 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.

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				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	AS	Cert D						V	RCE/ CONTR	Sample 1/day, Test 1 st day + 20% Systems Approach	120 ml	DME		Log all shipments
	Quality								V IA	DME		1 L	CTRL		
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	RCE/ CONTR	As per 2303	14 kg	CONTR			V	RCE/ CONTR	As per 2303, Test 1/day Systems Approach	14 kg	DME		May be adjusted by DME as per 2303
		325G							IA						
Compacted Mixture	Density	320, 321							V	RCE/ CONTR	Lot	7/lot	RCE		
	Thickness	337							IA	DME	1 lot/project*		DME		
	Voids								V	DME	10%		DME		
	Smoothness	341	CONTR	100%	100%	CONTR									
AS-Approved Source		Cert A-Type A Certification			RCE-Resident Construction Engineer/Project Engineer					IA-Independent Assurance					
ASD-Approved Shop Drawing		Cert C-Type C Certification			DME-District Materials Engineer					V-Verification					
S&T-Sampling & Testing		Cert D-Type D Certification			CTRL-Central Materials Office										
					CONTR-Contractor										

* 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.