

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											
Recycled Asphalt Shingles			AS	506											
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	RCE/ CONTR	Sample 1/day, Test 1 st day + 20% Systems Approach*	IM 301	DME/RCE DME	IM 216		
		Moisture	CONTR	1/halfday	1000 gm	CONTR		IA						IM 216	
															Dryer Drum Plants Only
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 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.

Sampling & Testing Guide-Minimum Frequency

October 19, 2010
Supersedes April 20, 2010

HOT MIX ASPHALT
Section 2303, & 2113

Mats. 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.		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 1/week 1/20,000 Mg 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 325G	RCE/ CONTR	As per 2303	18 kg	CONTR		V IA	RCE/ CONTR	As per 2303, Test 1/day Systems Approach	18 kg	DME		
	Moisture Sensitivity	AS 507 Article 2303, Section E.2 IM 510 App C						V	RCE/ CONTR	Test 1 st Sample at 500 tons then sample 1/10,000 tons per 2303 until 1 st sample accepted (test as needed)	32 Kg	CTRL		
Compacted Mixture	Density Thickness Voids	320, 321 337						V IA	RCE/ CONTR	Lot	Min 8/lot	RCE		
	Smoothness	341	CONTR 100%		100%	CONTR		V	DME 10%	1 lot/project*		DME		
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.