

Sampling and Testing Guide-Minimum Frequency

Matls. IM 204
Appendix G (Metric) Units

HOT MIX ASPHALT (Non-QMA) Section 2303, 2213, and 2114

October 29, 2002
Supersedes April 30, 2002

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE AND RELATED IMS	QC/ACCEPTANCE S&T					ASSURANCE, CORRELATION AND 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 (4126/4127)		AS 491.04												
Asphalt Binder		AS 437												
Emulsions & Cutbacks		AS 437												
Release Agent		AB 491.15												
PLANT INSPECTION *														
Aggregates (2303)	Quality							V	DME	1/20,000 Mg of Mix	22 kg	CTRL		
Combined Aggregate (4126 , 4127)	Gradation		RCE	3/lot	IM 301	RCE		ASSUR	DME	1/20,000 Mg of Mix	IM 301	DME	IM 216	
	Moisture ‡		RCE	1/half day	1000 gm	RCE								Dryer Drum Plants Only
AS-Approved Source		Cert A-Type A Certification			RCE-Resident Construction Engineer/Project Engineer				ASSUR-Independent Assurance					
AB-Approved Brand		Cert B-Type B Certification			DME-District Materials Engineer				VERIF-Verification					
ASD-Approved Shop Drawing		Cert C-Type C Certification			CTRL-Central Materials Office				CORR-Correlation					
S&T-Sampling & Testing		Cert D-Type D Certification			CONTR-Contractor				MON-Monitor					

* For Certified Plant Insp. on Non-QMA projects. See QMA table for S & T guide.

Note 1: Sample frequency based on Mg of Mix.

Sampling and Testing Guide-Minimum Frequency

Mats. IM 204
Appendix G (Metric) Units

HOT MIX ASPHALT (Non-QMA)
Section 2303, 2213, and 2114

October 29, 2002
Supersedes April 30, 2002

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE AND RELATED IMS	QC/ACCEPTANCE S&T					ASSURANCE, CORRELATION AND 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			DME	1/proj.	50 gm	DME	821278							
Asphalt Binder	DSR Quality	AS Cert D	RCE	1/80 Mg	85 gm Tin	DME†		V	DME	1/20,000 Mg of Mix	1 L	CTRL		Log all shipments Test 1 st 3days then 1/week
Cutback	Quality Viscosity	AS 329	RCE†	1/proj	1 L	DME								Log all shipments
Emulsion	Residue	AS 360	RCE	1/proj	1 L †	DME								Plastic bottle required
GRADE INSPECTION														
Uncompacted Mixture	Lab Density	321 , 325 325G	RCE	3/Lot †	30 kg	DME								Tests 1/Lot
	Lab Voids	350 , 501	RCE	As per 2303	30 kg	DME		V	DME	1/20,000 Mg of Mix	18 kg	CTRL		
Compacted Mixture	Density	320 , 321	CONTR*	Lot	7/Lot	RCE		ASSUR	CONTR	1 st day+10%				
	Thickness	337	CONTR*	Lot	7/Lot	RCE		ASSUR	CONTR	1 st day+10%		DME		
	Voids	321	CONTR*	Lot	7/Lot	RCE								
	Smoothness	341	CONTR	100%	100%	CONTR		CORR	DME	10%		DME		
AS-Approved Source		Cert A-Type A Certification			RCE-Resident Construction Engineer/Project Engineer				ASSUR-Independent Assurance					
AB-Approved Brand		Cert B-Type B Certification			DME-District Materials Engineer				VERIF-Verification					
ASD-Approved Shop Drawing		Cert C-Type C Certification			CTRL-Central Materials Office				CORR-Correlation					
S&T-Sampling & Testing		Cert D-Type D Certification			CONTR-Contractor				MON-Monitor					

*Witness by RCE

Note: Verif/Assur/Corr not required under 2000 Mg of Mix.