

## Sampling & Testing Guide-Minimum Frequency

April 15, 2008  
Supersedes April 17, 2007

### HOT MIX ASPHALT Section 2303, 2213, & 2114

Matls. IM 204  
Appendix F (US) 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
<b>SOURCE INSPECTION</b>														
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		AB 491.15												
<b>PLANT INSPECTION</b>														
Aggregates (2303)	Quality							V	DME	1/20,000 Ton	50 lb.	CTRL		
Combined Aggregate (4127)	Gradation		RCE/ CONTR	1/lot	IM 301	CONTR		V  IA	RCE/ CONTR	Sample 1/day, Test 1 <sup>st</sup> day + 20% Systems Approach*	IM 301	DME/ RCE	IM 216  IM 216	
	Moisture		CONTR	1 / half day	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
<b>PLANT INSPECTION</b>														
Mineral Filler								V	DME	1/project	5 kg	DME	821278	
Asphalt Binder	DSR	AS Cert D						V	RCE/ CONTR	Sample 1/day Test 1 <sup>st</sup> 3days + 1/week 1/20,000 T of Mix Systems Approach	4 oz tin	DME		Log all shipments
	Quality						V IA	DME	1 qt		CTRL			
Cutback		AS 329												Log all shipments
Emulsion	Residue	AS 360						V	RCE	1/project	1 qt	DME		Plastic bottle required
<b>GRADE INSPECTION</b>														
Uncompacted Mixture:	Lab Density & Lab Voids	321, 350 325G	RCE/ CONTR	As per 2303	30 lb	CONTR		V IA	RCE/ CONTR	As per 2303 Test 1/day Systems Approach	30 lb	DME		May be adjusted by DME as per 2303
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		
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 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 tons of mix.

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