

## Sampling and Testing Guide-Minimum Frequency

Matls. IM 204  
Appendix G (U.S.) 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
<b>SOURCE INSPECTION</b>														
Aggregates-Coarse <a href="#">(4127)</a>		AS <a href="#">209</a>												
Aggregates-Fine <a href="#">(4127)</a>		AS <a href="#">209</a>												
Hydrated Lime <a href="#">(4126/4127)</a>		AS <a href="#">491.04</a>												
Asphalt Binder		AS <a href="#">437</a>												
Emulsions & Cutbacks		AS <a href="#">437</a>												
Release Agent		AB <a href="#">491.15.</a>												
<b>PLANT INSPECTION *</b>														
Aggregates <a href="#">(2303)</a>	Quality							V	DME	1/20,000 Ton of Mix	50 lb.	CTRL		
Combined Aggregate <a href="#">(4126, 4127)</a>	Gradation		RCE	3/lot	<a href="#">IM 301</a>	RCE		ASSUR	DME	1/20,000 Ton of Mix	<a href="#">IM 301</a>	DME	<a href="#">IM 216</a>	
	Moisture ‡		RCE	1/ half day	1000 gm	RCE								Dryer Drum Plants Only
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing		Cert A-Type A Certification Cert B-Type B 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				ASSUR-Independent Assurance VERIF -Verification CORR-Correlation MON-Monitor						

\* For certified Plant Insp. on non-QMA projects. See QMA table for S & T guide.

Note 1: Sample frequency based on Tons of Mix.

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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			DME	1/proj.	50 gm	DME	821278							
Asphalt Binder	DSR Quality	AS Cert D	RCE	1/80 T	3 oz. Tin	DME†		V	DME	1/20,000 Tons of Mix	1 qt	CTRL		log all shipments Test 1 <sup>st</sup> 3days/ then 1/week
Cutback	Quality Viscosity	AS <a href="#">329</a>	RCE†	1/proj	1 qt	DME								log all shipments
Emulsion	Residue	AS <a href="#">360</a>	RCE	1/proj	1 qt †	DME								Plastic bottle required
<b>GRADE INSPECTION</b>														
Uncompacted Mixture	Lab Density	<a href="#">321, 325</a> 325G	RCE	3/Lot †	60 lb	DME								Tests 1/Lot
	Lab Voids	<a href="#">350, 501</a>	RCE	As per <a href="#">2303</a>	60 lb	DME		V	DME	1/20,000 Ton of Mix	40 lb	CTRL		
Compacted Mixture	Density	<a href="#">320, 321</a>	CONTR*	Lot	7/Lot	RCE		ASSUR	CONTR	1 <sup>st</sup> day+10%				
	Thickness	<a href="#">337</a>	CONTR*	Lot	7/Lot	RCE		ASSUR	CONTR	1 <sup>st</sup> day+10%		DME		
	Voids	<a href="#">321</a>	CONTR*	Lot	7/Lot	RCE								
	Smoothness	<a href="#">341</a>	CONTR	100%	100%	CONTR		CORR	DME	10%		DME		
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing		Cert A-Type A Certification Cert B-Type B 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				ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor					

\* Witness by RCE

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