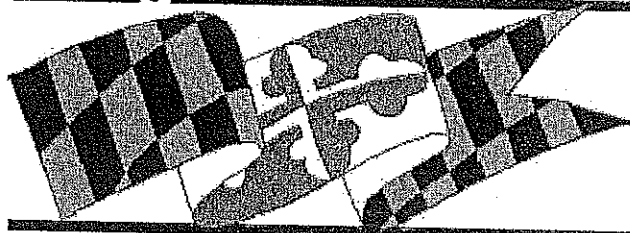


Maryland



With Pride

Maryland State Highway Administration

Office of Materials Technology

Aggregate Bulletin

2009 Test Data

Maryland State Highway Administration

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January 1, 2010

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**Maryland State Highway Administration
Aggregate Bulletin**

Introduction

January 1, 2010

General

This bulletin contains a list of physical test values for samples taken in the designated bulletin year by the Maryland State Highway Administration (MD SHA). However, the Soundness, and the Alkali-Silica Reactivity tests are targeted to be performed every third year, with their results being carried over on non testing years. Any test may be performed more frequently as determined by the MD SHA.

The following test methods are used for the qualitative analysis of aggregate listed in the bulletin:

1. Specific Gravity & Absorption (ABS) of Fine Aggregate - AASHTO T 84
2. Specific Gravity & Absorption (ABS) of Coarse Aggregate - AASHTO T85
3. Abrasion & Impact by Los Angeles Machine (LA) – AASHTO T 96
4. Loose & Rodded Unit Weight - AASHTO T 19
5. Soundness by Sodium Sulfate – AASHTO T 104
6. Accelerated Polishing of Aggregate using the British Wheel (BPN) – AASHTO T 279
7. Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars due to Alkali-Silica Reaction (Aggregate or Aggregate/Pozzolan Combination) (ASR) – MSMT 212

The listed values are considered to be representative of material supplied by a particular source of aggregate. It is emphasized that these values must not be interpreted in absolute terms. The information is provided as a guide for the expected quality of the material furnished by a listed source.

Annual Aggregate Bulletin (2009 Test Data)

Keys

- (*) Under Test / Pending Test Data
- (**) Previous Years Test Data
- (-) No Test Results
- (+) Fines may not be suitable for use in PCC, contact this office prior to use in PCC.
- (SPV) Standard Polish Value - Source eligible for surface polish mixes requiring a 5 PV or better as noted in Table 901 D. A value of 5 PV will be used for any blending calculations following MSMT 416.
- (HPV) High Polish Value - Source eligible for high polish mixes requiring an 8 PV or better as noted in Table 901D. A value of 8 PV will be used for any blending calculations following MSMT 416.
- (#) In accordance with the Standard Specifications for Construction and Materials, January 2001, Table 901D, Aggregate Physical Property Requirements for Asphalt Mixes (Note (e): When carbonate rock is used it shall have a minimum of 25 percent insoluble residue retained on the No. 200 sieve), the following aggregate source does not qualify for use as a high polish aggregate:

Maryland State Highway Administration Coarse Aggregate Properties for 2009 Test Data

Producer	Specific Gravity	ABS	LA	Loose	Rodded	BPN	PV	Eligible for High Polish Mixes?	ASR	Soundness
New Enterprise Stone & Lime Co., Inc. Valley Quarries, Inc. Williamson, PA	2.72	0.44	-	86.0	98.0	24	4**	No	0.05	0.2
New Enterprise Stone & Lime Co., Inc. Valley Quarries, Inc. Roaring Spring Plant Roaring Spring, PA	2.82	0.3	13.1	97.0	104.0	22	SPV	No	0.15	0.56
Northeast Solite Corporation Aggregate Industries, Bladensburg Rail Te Saugerties, NY	1.34	9.4	28.0	47	51.9	-	-	*	0.09	0.62
Patuxent Materials, Inc. Blue Mount Materials Inc White Hall, MD	2.79	0.73	26.5	88.1	98.1	-	-	*	-	0.42
Pennsy Supply Prescott/South Lebanon Township Lebanon, PA	2.80	0.4	20.0	93.6	101.5	39	-	*	0.02	0.37
Pennsy Supply, Inc. Millard Quarry Annville, PA	2.79	0.4	17.0	99.0	104.0	23	5**	No	0.03	0.38