

8/2/2023

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Approved Materials Procedure
for

WMA Additive Materials Qualification Procedure

MATERIAL SPECIFICATION REFERENCE:

DOTD Standard Specifications, Section 501 502 and 1002

APPROVED MATERIAL EVALUATION SUBMITTAL:

The manufacturer shall submit a completed Approved Materials Evaluation Submittal to the DOTD Materials and Testing Section Coordinator listed below.

PRELIMINARY REQUIREMENTS:

The complete submittal must include:

- Complete Approved Materials Evaluation Form
- Letter requesting evaluation of the material
- Material Data Sheets
- Safety Data Sheet (SDS)
- Manufacturer's specification
- Sample
- AASHTO Product Evaluation and Audit Solutions Results (formerly NTPEP)

The address of the contact affiliated with AASHTO Product Evaluation and Audit Solutions is:

AASHTO Product Evaluation and Audit Solutions Coordinator
AASHTO Product Evaluation and Audit Solutions
444 N. Capitol St. N.W.
Suite 249
Washington, D.C. 20001
Phone: (202) 624-3695
Fax: (202) 624-5806
<https://transportation.org/product-evaluation-and-audit-solutions/>

For detailed information, refer to the Operational Procedures of the AASHTO Product Evaluation and Audit Solutions available from the AASHTO Product Evaluation and Audit Solutions Coordinator.

NOTE: Evaluation will not begin until all required items listed above are received by the Materials Laboratory.

Material Data Sheets

Include material data sheets with all pertinent information relative to the material to be evaluated; including, but not limited to manufacturer's specifications, mixing instructions, recommended application procedure and rate, Materials Safety data Sheet (MSDS). WMA additive vendor to supply AASHTO Product Evaluation and Audit Solutions results for evaluation.

Sample (to be furnished at no cost to the Department)

The supplier shall furnish the DOTD Materials Lab with a sample of WMA additive for FTIR verification.

TEST REQUIREMENTS:

Laboratory Testing

The designated AASHTO Product Evaluation and Audit Solutions testing facility will conduct the following tests:

PROPERTY	TEST METHOD	SPECIFICATION
Loaded Wheel Tracker (LWT), mm, @20,000 passes	AASHTO T 324	> 95% of control at test end
Indirect Tensile Strength (ITS)	AASHTO T 283	Conditioned ITS > 90% of control
% TSR (Moisture Sensitivity)	AASHTO T 283	Average TSR (Limestone only) > 90% of control
True Grade	AASHTO R 29	Loss < 3°

Field Evaluation

The Department may require a field evaluation to ensure satisfactory installation and performance prior to placement on the Approved Material List (AML).

Evaluation Time (Varies)

AASHTO Product Evaluation and Audit Solutions Laboratory testing - A final report will be received after the evaluation period. Exact deadline dates and dates for submittals should be obtained from the AASHTO Product Evaluation and Audit Solutions Coordinator.

Evaluation of Results - 2 weeks

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the material will or will not be added to the Approved Materials List (AML). The DOTD Materials and Testing Section Coordinator shall be notified in writing of any change from the original material submittal. The Department reserves the right to re-evaluate any material or individual material at any time. A Certificate of Analysis (CA) of the material shall be submitted annually to the DOTD Materials and Testing Section Coordinator to remain on the AML.

PROJECT ACCEPTANCE REQUIREMENTS:

The inclusion of any material on the AML is not blanket approval for its use. All materials, regardless of prior approval, shall be sampled in accordance to the Materials Sampling Manual.

DISQUALIFICATION AND REMOVAL:

Any material may be removed from the AML for non-conformance with specifications, performance requirements, failure to supply annual CAs to the DOTD Materials and Testing Section Coordinator or failure to notify the Department of any change in material formulation.

REQUALIFICATION:

Any material which has been disqualified and/or removed from the AML will be considered for re-evaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification and/or removal have been resolved.

DOTD MATERIALS AND TESTING SECTION COORDINATOR

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Kristopher Wascom, P.E.
DOTD MATERIALS ENGINEER ADMINISTRATOR