



**Qualified Product Policy for:  
Liquid Anti-Strip Additives (LASA) for Asphalt Mixtures**

The procedures described in this policy will provide necessary steps to qualify a Liquid Anti-Strip Additive (LASA) used in asphalt mixtures for use in Department work. The steps listed below are required in order to be considered for the Qualified Product Listing (QPL). The procedures in this policy are for the convenience of the user and are intended to facilitate the use of LASA from producers that appear on the Department's QPL.

Any manufacturer that has a new product that desires it to be listed on Qualified Products List (QPL 104) must successfully complete their product evaluation by the AASHTO Product Evaluation and Audit Solutions Asphalt Mixture Additives (AMA) program. For more information on this qualification program, visit the AASHTO website at: <https://transportation.org/product-evaluation-and-audit-solutions/>.

Once AASHTO test results have been published, send a copy of the test results along with a letter requesting inclusion on QPL 104 to:

Kimberly R. Lyons, Ph.D., P.E.  
Asphalt Materials Engineer  
SCDOT Office of Materials and Research  
1406 Shop Road  
Columbia, SC 29201  
(803)737-6700  
[LyonsKR@scdot.org](mailto:LyonsKR@scdot.org)

A letter requesting inclusion on the QPL should include the name of an asphalt contractor and asphalt binder terminal listed on QPL 37 willing to use and terminally blend the LASA product. If available technical data sheets and testing data should be submitted for review. SCDOT will use the AASHTO evaluation to make an initial decision on whether the LASA is deemed acceptable for use. Upon reviewing and SCDOT acceptance of the AASHTO product evaluation results, the manufacturer will have the contractor submit a set of asphalt specimens for laboratory determination of moisture susceptibility testing dosed at the minimum percentage as stated in SC-M-406 to the SCDOT Office of Materials and Research. The specimens will be tested in accordance with SC-T-70. If the results meet SCDOT requirements for Wet TS and % TSR ratio (per 401.2.3.4 of the Standard Specifications or any other Supplemental Specification), the product will be placed on QPL 104. Once mix designs are submitted utilizing the LASA product to the SCDOT, and the results meet the SCDOT specifications above, the product will continue to remain on QPL List 104.

It is the LASA manufacturer's responsibility to contact the department in the event that the products formulation or a product's name has changed. Any changes in formulation of a chemical LASA will require a resubmittal to AASHTO for a new product evaluation. The Department reserves the right to request a sample for further testing (AASHTO or testing by the SCDOT) from the LASA supplier, asphalt terminal, or asphalt contractor for the product to retain qualified status. Anytime the LASA product changes in formulation or the asphalt binder supplier changes the source of the neat asphalt binder, the LASA supplier must retest their LASA with the new PG binder source to ensure no issues exist with the binder meeting SCDOT/AASHTO Specifications.

All delivery tickets/BOL upon arrival at the asphalt plant must include the name of the manufacturer of the LASA additive, full additive name, and dosage. All copies of the BOL/delivery tickets must be kept on file at the asphalt Contractor's asphalt plant.

The Department reserves the right to request a sample for further testing (AASHTO or testing by the SCDOT) from the LASA supplier, asphalt terminal, or asphalt contractor for the product or process to retain qualified status on QPL 104. *A LASA product may be removed from QPL 104 if that product is no longer offered at the asphalt terminals listed on QPL 37, the product is no longer current or compliant with AASHTO, or the product has established a history of failing test results in the field or in the lab.*