PROCEDURE FOR THE QUALIFICATION OF
AIR ENTRAINING AND CHEMICAL ADMIXTURES FOR CONCRETE
(TYPES A, D, F, G, & Non-Chloride C)

The Maryland Department of Transportation State Highway Administration (MDOT-SHA) maintains a Qualified Products List (QPL) which includes Air Entraining and Chemical Admixtures (Types A, D, F, G, & Non-Chloride C). These Admixtures shall conform to Section 902.06 of MDOT-SHA’s Standard Specifications for Construction and Materials.

If you are interested in having your product qualified, visit Maryland’s Product Evaluation Listing (MPEL) and select VENDOR REGISTRATION to begin.

When your registration has been accepted, you will receive an email requesting submission of the following information into MPEL:

1. Recommended usage rates for each product.
2. A certificate detailing laboratory tests results for compliance to the appropriate specifications per Section TC 1.03 of MDOT-SHA’s Standard Specifications, MSDS and Data Sheet.
3. Uniformity and equivalency values of your product are determined in accordance with the above specifications. The tests required are:
   - pH
   - % solids content
   - Specific gravity
   - Infrared spectrogram analysis

After the requested information is accepted, you will be required to submit a one-quart sample of each product to be qualified.

Samples submitted should be a representative of normal production. There is no limit to the quantity of air entraining admixtures allowed for submission. All other admixtures are limited to five products per manufacturer per type.

Approved products are required to continue to meet specifications. Materials used based on Certificates of Compliance may be sampled and tested after qualification per AASHTO M 194. Products found not in compliance with contract requirements or specifications will be subject to rejection whether in place or not. Samples of the product may be taken by the Administration periodically to ensure quality assurance and quality control.

Inform SHA immediately of any changes in the composition of the product. After MDOT-SHA has reviewed the changes, new sample(s) may be requested to be submitted along with the information above.
Materials/Products representing revised formulations/standards of currently approved products will not be approved for testing within six months of the most recent evaluation unless requested by the Administration.

Materials/Products evaluated and not approved are not eligible for resubmission within six months of the most recent evaluation unless requested by the Administration.

Producers are required to recertify their products every 5 years to remain on the QPL beginning January 2015. A cost reimbursement of $150.00 per product will be applied for the Recertification process. Products approved within 36 months of the Recertification Date are exempt.

Submit a certified letter on manufacturer’s letterhead stating that the product formulation has not changed. Also submit a current MSDS and current test results. Samples will be requested as needed.
MATERIAL TESTING AND EVALUATION

Attention Customer:

The Office of Materials Technology has a schedule of cost reimbursement for the testing and evaluation of materials to be placed on our Qualified Products List (QPL).

Your company has requested that the following material(s) be tested in accordance with Section 902.06. Approved products will be included in the qualification list for that category.

Forward the sample and related information (Data Sheet, MSDS, quality control data, etc.) to:

Office of Materials Technology  
7450 Traffic Drive, Building #4  
Hanover, MD, 21076  
ATTN: Mr. Troy Davis

A cost reimbursement of $182.50 per product will be charged for testing costs. Testing will not begin until verification of payment is received by the Administration’s Cashier's Office.

Complete the attached form and return it along with a Cashier's Check made payable to the Maryland Department of Transportation State Highway Administration. Mail these items to the following address:

Cashier's Office  
P.O. Box 1636  
Baltimore, MD, 21203

If you have any questions, contact us via email at MPEL@sha.state.md.us

Sincerely,

New Products and Research Team  
Office of Materials Technology
Cashier's Office                                                                                                             AW176M2J
P.O. Box 1636
Baltimore, MD, 21203

Attention Cashier:

This cost reimbursement covers the testing for the qualification of materials. Verification of payment is required before any testing will be performed. All testing will be performed by the Office of Materials Technology. Submit a copy of payment verification into MPEL.

* Please include certified results for the tests listed below.

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>Product Name (I.D.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TEST</td>
</tr>
<tr>
<td></td>
<td>pH</td>
</tr>
<tr>
<td></td>
<td>InfraRed Spectrogram Analysis</td>
</tr>
<tr>
<td></td>
<td>Specific Gravity</td>
</tr>
<tr>
<td></td>
<td>% Total Solids</td>
</tr>
</tbody>
</table>

TOTAL COST REIMBURSEMENT PER PRODUCT: $182.50 (Cost Reimbursement includes Processing and Handling)

NAME: ____________________________________________

PRODUCT NAME: __________________________________

COMPANY: _______________________________________

ADDRESS: _______________________________________

PHONE: _________________________________________
PROCEDURE FOR THE QUALIFICATION OF DRYCAST ADMIXTURES-PRECAST PIPE AND DRAINAGE STRUCTURES

The Maryland Department of Transportation State Highway Administration (MDOT-SHA) maintains a list of qualified Drycast Admixtures-Precast Pipe and Drainage Structures. These Admixtures shall conform to Section 902.06 of MDOT-SHA’s Standard Specifications for Construction and Materials.

If you are interested in having your product qualified, visit Maryland’s Product Evaluation Listing (MPEL) and select VENDOR REGISTRATION to begin.

When your registration has been accepted, you will receive an email requesting submission of the following information into MPEL:

4. Recommended usage rates for each product.

5. A certificate detailing laboratory tests results for compliance to the appropriate specifications per Section TC 1.03 along with MSDS and Data Sheets.

6. Uniformity and equivalency values of your product are determined in accordance with the above specifications. The tests required are:
   - pH
   - % solids content
   - Specific gravity
   - Infrared spectrogram analysis

After the requested information is accepted, you will be required to submit a one-quart sample of each product to be qualified.

Samples should be representative of normal production. There is no limit to the quantity of air entraining admixtures allowed to be submitted for qualification. All other admixtures are limited to five products per manufacturer per type.

Approved products are required to continue to meet specifications. Materials used based on Certificates of Compliance may be sampled and tested after qualification per AASHTO M 194. Products found not in compliance with contract requirements or specifications will be subject to rejection whether in place or not. Samples of the product may be taken by the Administration periodically to ensure quality assurance and quality control.

Inform SHA immediately of any changes in the composition of the product. After MDOT-SHA has reviewed the changes, new sample(s) may be requested to be submitted along with the above information.
Materials/Products representing revised formulations/standards of currently approved products will not be approved for testing within six months of the most recent evaluation unless requested by the Administration.

Materials/Products evaluated and not approved are not eligible for resubmission within six months of the most recent evaluation unless requested by the Administration.

Producers are required to recertify their products every 5 years to remain on the QPL beginning January 2013. A cost reimbursement of $150.00 per product will be applied for the Recertification process. Products approved within 36 months of the Recertification Date are exempt.

Submit a certified letter on manufacturer’s letterhead stating that the product formulation has not changed. Also submit a current MSDS and current test results. Samples will be requested as needed.
Attention Customer:

The Office of Materials Technology has a schedule of cost reimbursement for the testing and evaluation of materials to be placed on our Qualified Products List (QPL).

Your company has requested that the following material(s) be tested in accordance with Section 902.06. Approved products will be included in the qualification list for that category.

Forward the sample and related information (Data Sheet, MSDS, quality control data, etc.) to:

Office of Materials Technology
7450 Traffic Drive, Building #4
Hanover, MD, 21076
ATTN: Mr. Troy Davis

A cost reimbursement of $182.50 per product will be charged for testing costs. Testing will not begin until verification of payment is received by the Administration’s Cashier's Office.

Complete the attached form and return it along with a Cashier's Check made payable to the Maryland Department of Transportation State Highway Administration. Mail these items to the following address:

Cashier's Office
P.O. Box 1636
Baltimore, MD, 21203

If you have any questions, please contact us via email at MPEL@sha.state.md.us

Sincerely,

New Products and Research Team
Office of Materials Technology
Cashier's Office
P.O. Box 1636
Baltimore, MD, 21203

Attention Cashier:

This cost reimbursement covers the testing for the qualification of materials. Verification of payment is required before any testing will be performed. All testing will be performed by the Office of Materials Technology. Submit a copy of payment verification into MPEL.

* Please include certified results for the tests listed below.

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<tr>
<th>MATERIAL</th>
<th>Product Name (I.D.)</th>
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</thead>
<tbody>
<tr>
<td>pH</td>
<td>MSMT 550</td>
</tr>
<tr>
<td>InfraRed Spectrogram Analysis</td>
<td>ASTM D2621</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>MSMT 550</td>
</tr>
<tr>
<td>% Total Solids</td>
<td>ASTM D2369</td>
</tr>
</tbody>
</table>

TOTAL COST REIMBURSEMENT PER PRODUCT: $182.50 (Cost Reimbursement includes Processing and Handling)

NAME: ____________________________________________________________

PRODUCT NAME: __________________________________________________

COMPANY: ________________________________________________________

ADDRESS: ________________________________________________________

____________________________________

PHONE: __________________________________________________________
PROCEDURE FOR THE QUALIFICATION OF PRECAST ADMIXTURES

The Maryland Department of Transportation State Highway Administration (MDOT-SHA) maintains a list of qualified Precast Admixtures. These Admixtures submitted to this category shall meet the requirements for both Type F of AASHTO M 194 and for Type I of ASTM C 1017.

Only liquid forms of these admixtures are allowed. The admixture shall be non-foaming when tested in accordance with ASTM D 1173. The admixture shall not contribute more than 200 ppm of chlorides based on the cement content when tested in per MSMT 610.

If you are interested in having your product qualified, visit Maryland’s Product Evaluation Listing (MPEL) and select VENDOR REGISTRATION to begin.

When your registration has been accepted, you will receive an email requesting submission of the following information into MPEL:

1. Recommended dosage rates for each product.

2. A certificate detailing laboratory test results for compliance with the appropriate specifications per TC 1.03 of MDOT-SHA’s Standard Specifications for Construction and Materials.

3. Uniformity and equivalency values of your product as determined in accordance with the above specifications. The tests required are:
   - pH
   - % solids content
   - Specific gravity
   - Infrared spectrogram analysis

After the requested information is accepted, you will be required to submit a two-quart sample of each product to be qualified. Samples should be representative of normal production. Qualifications are limited to three products per manufacturer.

Approved products are required to continue to meet specifications. Materials used based on Certificates of Compliance may be sampled and tested after qualification per AASHTO M 194. Products found not in compliance with contract requirements or specifications will be subject to rejection whether in place or not. Samples of the product may be taken by the Administration periodically to ensure quality assurance and quality control.

Inform the Administration immediately of any changes in the composition of the product. After MDOT-SHA has reviewed the changes, a new sample(s) may be requested to be submitted along with the above information.
Materials/Products representing revised formulations/standards of currently approved products will not be approved for testing within six months of the most recent evaluation unless requested by the Administration.

Materials/Products evaluated and not approved are not eligible for resubmission within six months of the most recent evaluation unless requested by the Administration.

Producers are required to recertify their products every 5 years to remain on the QPL beginning January 2015. A cost reimbursement of $150.00 per product will be applied for the Recertification process. Products approved within 36 months of the Recertification Date are exempt.
MATERIAL TESTING AND EVALUATION

Attention Customer:

The Office of Materials Technology has a schedule of cost reimbursement for the testing and evaluation of materials to be placed on our Qualified Products List (QPL).

Your company has requested that the following material(s) be tested in accordance with Section 902.06. Approved products will be included in the qualification list for that category.

Forward the sample and related information (Data Sheet, MSDS, quality control data, etc.) to:

Office of Materials Technology
7450 Traffic Drive, Building #4
Hanover, MD, 21076
ATTN: Mr. Troy Davis

A cost reimbursement of $163.54 per product will be charged for testing. Testing will not begin until verification of payment is received by the Administration’s Cashier's Office.

Complete the attached form and return it along with a Cashier's Check made payable to the Maryland Department of Transportation State Highway Administration. Mail these items to the following:

Cashier's Office
P.O. Box 1636
Baltimore, MD, 21203

If you have any questions, contact us via email at MPEL@sha.state.md.us

Sincerely,

New Products and Research Team
Office of Materials Technology
Cashier's Office                                                                                                             AW176M2J
P.O. Box 1636
Baltimore, MD, 21203

Attention Cashier:

This cost reimbursement covers the processing and testing for the qualification of materials. Verification of payment is required before any testing will be performed. All testing will be performed by the Office of Materials Technology. Submit a copy of payment verification into MPEL.

* Please include certified results for the tests listed below.

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<tr>
<td>TEST</td>
<td>METHOD</td>
</tr>
<tr>
<td>pH</td>
<td>MSMT 550</td>
</tr>
<tr>
<td>Infrared Spectrogram Analysis</td>
<td>ASTM D2621</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>MSMT 550</td>
</tr>
<tr>
<td>% Total Solids</td>
<td>ASTM D2369</td>
</tr>
</tbody>
</table>

TOTAL COST REIMBURSEMENT PER PRODUCT: **$163.54** (Cost Reimbursement includes Processing and Handling)

NAME: ____________________________________________

PRODUCT NAME: __________________________________

COMPANY: ________________________________________

ADDRESS: ________________________________________

PHONE: _________________________________________