

**Georgia Department of Transportation**  
**Office of Materials and Research**

**Standard Operating Procedure (SOP) 14**  
**Inspection of Traffic Paint**

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**I. General**

It is a function of the [Office of Materials and Research](#) Inspection Services Branch of to inspect and sample traffic paint in order to determine if the manufacturer is in conformance with governing Specifications. Such conformance will be evidenced by a numbered GDT stamp affixed by the inspector to the outside of the paint container. In order to facilitate the accomplishment of this task, routine office and laboratory procedures will be followed to maintain all required records and to provide for inspection when the producer notifies the Inspection Services Branch that production is ready to commence on paint requiring inspection.

This Standard Operating Procedure presents an outline of the responsibilities of traffic paint producers intending to furnish paint for use on GDOT construction projects. The [Office of Materials and Research](#) published a list of approved manufacturers. This list is identified as [Qualified Products List \(QPL\) 46A, "Traffic Paint Producers"](#).

**II. Producer's Certification**

A paint producer who wishes to participate in this program must submit written application to the Inspection Services Branch of the [Office of Materials and Research](#). A "[Yearly Certification and Guarantee](#)" is attached for your completion and submittal to the Department.

The manufacturer shall submit an annual certification of analysis on form [OMR-INSP-62](#) for each type of paint produced for the Department. Any revisions made to this certification by the manufacturer necessitate its recertification and approval by the Department. The manufacturer shall submit annual Materials Data Safety Sheets for raw materials and finished paints.

The certificate of analysis shall show the trade name and code name of the paint to be furnished, an analysis showing the percentage of each of the components of the paint and the percentage of pigment

and vehicle as targeted for the finished paint. The data shall be presented for a 100 gallon (379 L) batch size so that it may be easily compared to the Department's Specification for the type of paint being furnished. The certificate will also include a listing of the name and source of each of the ingredients which the producer proposes to incorporate into the finished paint. The certificate of analysis shall also include a guarantee which will assert that all paint furnished will conform to the analysis shown on the certificate. The certificate of analysis must carry the notarized signature of a responsible officer of the company with authority to bind the company to contract.

### III. Restricted and Non-recommended Production Practices

#### A. Damaged Containers

During production of the paint, the producer must not use any part of any raw materials whose container has been opened and/or damaged during shipment, storage or other handling prior to formularization.

#### B. Temperature

During mixing and grinding, the temperature of the paint should not exceed 160 °F (71 °C).

### IV. Inspection, Sampling and Analysis

#### A. Inspection

It is not necessary for the Department's inspector to be present during the mixing and packaging of the traffic paint. The manufacturer will contact the Inspection Services Branch at (404) 363-7616 to arrange for paint sampling. The Department may require the services of an independent third-party agency to facilitate sampling and inspection at manufacturing facilities located outside the State of Georgia. The costs associated with the independent agency shall be borne solely by the paint manufacturer. The inspector will select representative containers at random from the storage yard and obtain test samples after the paint has been properly agitated.

#### B. Sampling and Analysis

An inspector will be assigned to inspect the paint during any and all production as deemed necessary by the State Materials and Research Engineer. A minimum of two samples of at least one pint in size will be taken by the inspector from each finished batch of paint. Any sample taken may be subjected to complete analysis by the [Office of Materials and Research](#). It may be necessary to weigh selected drums at random to confirm fill volume.

### V. Reporting Of Accepted Paint

Construction Personnel - It will not be necessary for the Engineer to report this material, but documentation should be made in the project diary.

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Georgene M. Geary, P.E.  
State Materials and Research Engineer

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Glenn W. Durrence, P.E.  
Director of Construction

**Yearly Certification and Guarantee**

\_\_\_\_\_ Guarantees that all  
(Company Name)

\_\_\_\_\_ furnished to  
State of  
(Type of Material)

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Georgia projects in the forthcoming twelve (12) months will be in accordance with and will conform fully to the requirements of the governing Specifications and will be replaced without cost to the purchaser and State of Georgia when found not in conformity with any of the specified requirements. We certify that we accept full responsibility for determining the governing Specifications for each order and further certify that all materials furnished will meet the Specifications and details which apply to each order.

Very truly yours,

\_\_\_\_\_  
(Company Name)

\_\_\_\_\_  
(Plant Location)

\_\_\_\_\_  
(Employee's Signature) (Date)

\_\_\_\_\_  
(Employee's Name)

\_\_\_\_\_  
(Notary Public) (Date)



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OMR-INSP-62

		<u>PIGMENT COMPOSITION ( % by Weight )</u>	
<u>% Min.</u>	<u>% Max.</u>		<u>Analysis</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
		<u>VEHICLE COMPOSITION ( % by Weight )</u>	
<u>% Min.</u>	<u>% Max.</u>		<u>Analysis</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
<u>Specifications</u>		<u>PROPERTIES OF FINISHED PAINT</u>	
		<u>Test For</u>	<u>Test Results</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

I understand that your acceptance of this certification does not constitute final approval of this paint and that you reserve the right to inspect and analyze this paint both during and after formularization as you deem necessary.

Signed \_\_\_\_\_  
 \_\_\_\_\_  
 Title

\_\_\_\_\_ Accepted  
 \_\_\_\_\_ Rejected

By \_\_\_\_\_  
 Chief Chemist  
 GDOT Office of Materials and Research

Subscribed and sworn to before me, this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_

\_\_\_\_\_  
 Notary Public

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