

## SAMPLING TRAFFIC PAINT

### 1.0 SCOPE

- 1.1 This method describes the procedure for sampling traffic paint. The quality assurance sample of batch production paint will be tested and compared to the selected tender sample.

### 2.0 APPLICABLE DOCUMENTS

- 2.1 CGSB 1-GP-71, Methods of Testing Paints and Pigments; Method 1.1, Sampling of filled containers and bulk sampling of liquids

### 3.0 APPARATUS

- 3.78 ℓ or 4.5ℓ metal container with air tight lid (preferably lined; lined containers are mandatory for samples of waterborne paints)
- Sampling scoop (any clean container)
- Lid remover
- Filter funnel
- Stirring paddle
- Rubber mallet
- Vapour mask
- Face shield
- Rubber gloves
- Eye wash station
- Labels

### 4.0 PROCEDURE

- 4.1 Familiarize yourself with the Material Safety Data Sheet for the product. Ensure all safety equipment is worn and the eye wash bottles are near. The respirator helps protect against certain organic vapours and acid gases.
- 4.2 Samples should be collected as soon as possible to reduce any loss of volatile solvents from the paint.
- 4.3 Sampling from a Tote
- 4.3.1 Collect the sample during the transfer of the paint from the supplier's tote to the truck mounted storage tanks.
- 4.3.2 Take the sample when approximately half of the paint in the tote has been transferred.
- 4.3.3 Fill a clean sample container from the tote's spigot.
- 4.4 Sampling from an Open Container (Drum or Truck Mounted Storage Tank)

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- 4.4.1 Remove the lid of the drum/tank to expose the paint (the sample representing the batch should come from a drum/tank that contains no skin).
- 4.4.2 Stir the paint with the paddle ensuring lifting and mixing of any settlement from the bottom of the drum/tank and ensuring homogeneity. Pay particular attention to the thorough mixing of the paint in the drum/tank before sampling.
- 4.4.3 Using a clean scoop, scoop a sample from the centre of the drum/tank and pour into the sample container. Repeat until the sample container is full.
- 4.4.4 Re-seal the drum/tank.
- 4.5 Sampling from the Applicator's Gun
  - 4.5.1 Ensure the truck is pulled over in a safe location
  - 4.5.2 Turn off all atomized/air pressure guns prior to collecting the sample.
  - 4.5.3 To prevent contamination from falling debris, place the filter funnel between the gun and the sample container. Care is required to prevent contamination of the paint sample by materials that fall off the gun's exterior.
  - 4.5.4 Remove the nozzle and activate the gun to provide a low-pressure discharge. Fill the sample container.
- 4.6 The sample container must be completely filled to prevent skinning and solvent loss. Avoid contaminating the sample with any cleaning solutions used to clean the sample container or scoop (if used).
- 4.7 Place the sample container's lid on and seal using the rubber mallet. The sample should be sealed as soon as possible to reduce any loss of volatile solvents from the paint.
- 4.8 Once the sample container has been sealed, label it with the following information: contract number, project, location, formulation number, batch number, color, sampling date, the name and phone number of the individual who obtained the sample and the sampling procedure used (tote transfer, drum/tank sampling, applicator gun).
- 4.9 Ship the sample to the Department's designated Quality Assurance testing firm. Samples must be labelled according to shipping regulations.