

(INACTIVE)

**OHD L-1
METHODS OF
SAMPLING PIGMENTED PAINTS AND ENAMELS,
PAINT VEHICLES AND PIGMENTS**

- I. **SCOPE.** This method covers the procedures for obtaining representative samples of pigmented paints and enamels, paint vehicles, and pigments used for highway construction and maintenance.
- II. **APPARATUS.** The apparatus shall consist of the following:
- A. **Mixing Bucket.** A bucket or similar container equal in size to the container to be sampled.
 - B. **Stirring Paddle.** A stirring paddle, 3 inches (75 cm.) in width and long enough to stir the full depth of the container to be sampled.
 - C. **Sample Container.** A one or two quart metal container with tight fitting lid. Sample containers shall be clean and free of water, lint, dirt, washing compounds, solvents, acids, rust, oil, etc.
 - D. **Spatula.** A spatula suitable for mixing or sampling dry pigments or pastes.
- III. **SAMPLES.**
- A. The sample shall be representative of the materials being sampled. Liquid samples shall be a minimum of one pound. One sample shall be necessary for each batch or lot.
 - B. The following information shall accompany each sample submitted for test.
 - 1. Batch or lot number
 - 2. Manufacturer's name
 - 3. Kind of paint, vehicle, or pigment
 - 4. Quantity in gallons or pounds, as appropriate
 - 5. Project number
 - 6. Factory formula number.
- IV. **PROCEDURE.** Pigmented paints and examples:
- A. **Field Sampling.** Open the container to be sampled and pour the top $\frac{1}{4}$ of the paint into a mixing bucket. Stir the remaining portion with the stirring paddle until the settled pigment is in suspension, then gradually stir in the portion which had been set aside previously. Pour the paint from one container into the other at least four (4) times.
- Note:** During the last pour back, a sample from the middle portion shall be poured into the sample container, nearly filling the container, and the lid tightly

(INACTIVE)

sealed.

B. Sampling at Source:

1. If the paint has been placed in containers, the sampling procedure will be the same as paragraph IV, A.
2. **Sampling the Vat.** The vat will be sampled as containers are filled. A one quart sample of each $\frac{1}{3}$ of the vat shall be taken at the faucet, poured into a container, stirred, and a one quart sample container shall be nearly filled from this composite sample and the lid tightly sealed.

Note: It is absolutely essential that the sample be poured from one container into another at least four (4) times. Never omit this portion of the procedure.

V. PAINT VEHICLES.

- A. **Field Sampling.** Open the container to be sampled and stir with paddle until thoroughly mixed. A sample container shall be nearly filled and the lid tightly sealed.
- B. **Sampling at Source.** If the paint vehicle has been placed in container, the sampling procedure shall be the same as paragraph V. A.
 1. **Sampling the Vat.** The procedure for sampling the vat shall be the same as in paragraph IV. B. 2.

VI. PASTE AND DRY PIGMENTS.

- A. **Field Sampling.** The container shall be opened, examined for caking, then thoroughly mixed with a spatula and a sample of not less than one pound (0.5 Kg.) taken and tightly sealed in a sample container.
- B. **Sampling at Source.** The sampling procedure shall be the same as paragraph VI. A.