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(INACTIVE)
OHD L-15
METHOD OF TEST FOR
EVALUATING THE DAMP-FREE PROPERTIES OF GLASS BEADS

I. **SCOPE.** This procedure covers the method of test used in evaluating the flow characteristics of glass beads to insure that they will dispense in a satisfactory manner in any weather suitable for applying traffic stripe.

II. **APPARATUS.** The apparatus shall consist of the following:

A. Specimen Jar: A specimen jar 8 inches (203 cm) high, 7 inches (178 cm) in diameter, and fitted with a ground glass cover.

B. Rack: A rack suitable for holding crystallization dish.

C. Crystallization Dish: A crystallization dish 4 inches (100 mm) in diameter.

D. Funnel: A funnel with a 4 inch (102 mm) stem and a 0.25 inch (6.35 mm) orifice.

III. **MATERIALS.** Sulfuric Acid (1.10 density) will be used in this test procedure.

NOTE: 15% sulfuric acid (1.10 density) will provide an atmosphere of 94% relative humidity as desired for this test.

IV. **PROCEDURE.**

A. The specimen jar will be prepared by covering the bottom of the jar to depth of 0.5 inch (13 mm) with sulfuric acid (1.10 density) and the rack placed inside so that the surface is just above the sulfuric acid.

B. The test sample is spread evenly over the bottom of the crystallization dish and the dish is placed on the rack in the specimen jar for a period of 4 hours at a temperature of 77° F (25° C). At the conclusion of the time period, the test sample shall be immediately poured through the dry funnel. The entire sample must flow freely. If beads clog the orifice when first introduced, it is permissible to tap the funnel lightly to start the flow of beads.

C. The results of the test will be reported as failing (do not flow) or passing (free-flowing).