

MINERAL FILLER, PORTLAND CEMENT, FLY ASH, GROUND GRANULATED BLAST-FURNACE SLAG AND HYDRATED LIME
DOTD Designation: S 102-03

I. General

A. Equipment

1. Plastic bags, 1 gal cans with lids, tape, string, suitable markers for identification, or other suitable containers.
2. Scoop and other approved sampling apparatus.
3. Goggles and respirator.
4. MATT forms, envelopes and tape for securing to sample container.

B. Safety Precautions

It is the responsibility of the user of this sampling method to establish appropriate safety practices including, but not limited to, handling heavy loads, sampling materials under pressure and dusty conditions.

II. Conveyors

- A. Sample material at 3 or more regular intervals during the entire discharge process.
- B. Sample a quantity of material at each interval in such proportion that the final composited quantity shall conform to the required sample size.
- C. Place sample into plastic bag with a completed sample identification form and place bag into gallon can. Seal the can with the lid. Securely attach an unsoiled, completed original sample identification form inside an envelope to the container.

III. Bulk Shipment in Railroad Cars, Barges and Truck Transports

- A. Sample material from at least 2 locations at a minimum of 6 in. below the surface.
- B. Sample a quantity at each interval in such proportion that the final composited quantity shall conform to the required sample size.
- C. If the sample is taken from the discharge line of the shipping vehicle, first allow sufficient material to pass through to ensure obtaining a sample representative of the shipment.
- D. Place sample into plastic bag with a completed sample identification form and place bag into gallon can. Seal the can with the lid. Securely attach an unsoiled, completed original sample identification form inside an envelope to the container.

Caution: *Relieve the vehicle tank pressure or shut off before taking a sample when unloading is performed by air pressure.*

IV. Sack Shipments

- A. Sample the material from approximately 5 sacks selected at random from throughout the lot or shipment.
- B. Do not include as part of the sample any of the outer layer of material within a sack.
- C. Sample a quantity from each sack in such proportion that the final composited quantity shall conform to the required sample size.
- D. Place sample into plastic bag with a completed sample identification form and place bag into gallon can. Seal the can with the lid. Securely attach an unsoiled, completed original sample identification form inside an envelope to the container.

Note: *Use any sampling apparatus which will accomplish the above requirements and prevent contamination of the material. In instances where a specific case is not*

covered by these methods refer to AASHTO T 127 (cement) or ASTM C 50 (lime).