



Molten Salt Sampling Procedure

WEAR THE PROPER PROTECTIVE CLOTHING (LONG SLEEVES, GLOVES, FACE SHIELD, HEAD COVER), OPEN THE ACCESS DOOR OR WINDOW OVER THE SALT BATH AND PROCEED AS FOLLOWS:

Using a smooth, clean, cool and dry steel bar*, immerse one end into the salt withdrawing it quickly and allowing the sample to solidify on the bar. The salt will flake off as it cools. Put the flakes into a clean, dry sample can. At least 10.0 grams (one third ounce) are required for analysis. Seal the sample can with tape (electrical tape works well) to exclude moisture. Send the sample to Kolene Corporation for analysis.

* $\frac{3}{4}$ " to 1" (19 mm to 25 mm) in diameter

18" – 24" (457 mm – 610 mm) long

DO NOT USE PIPE OR TUBING

Molten Sludge Sampling Procedure

WEAR PROPER PROTECTIVE CLOTHING (LONG SLEEVES, GLOVES, FACE SHIELD, HEAD COVER), AND PROCEED AS FOLLOWS:

Using a smooth, clean, and dry steel spatula or long handled spoon, carefully dig into the center of the sludge pan approximately halfway down into the sludge. Take the sludge sample from this area. Put the sludge into a clean, dry sample can. At least 15 grams ($\frac{1}{2}$ ounce) are required for initial analysis. Seal the sample can with tape (electrical tape works well) to exclude moisture. Send the sample, along with your completed sludge profile sheet, to Kolene Corporation for analysis.



Guidelines for Shipping Kolene Salt Samples

Most Kolene® salt and sludge samples are hazardous materials and, as such, are subject to certain regulations and restrictions during transportation.

1. All hazardous materials must be properly identified, packaged, and labeled in accordance with DOT Regulations (CFR 49), U.S. Postal Regulations, and some special carrier requirements, e.g. UPS or Express Air, etc.
2. In general, hazardous materials shipments are banned from all “passenger”-carrying carrying vehicles and cannot be carried on board commercial passenger airlines.
3. We recommend the following as a prudent practice in transporting small samples of salt or sludge, under DOT Limited Quantities Exemption (49 CFR 100-177).
 - a. Identify the specific hazards associated with the sample. The Kolene® product MSDS contains the DOT hazard classification and identification numbers. If some doubt exists, contact Kolene Corporation for clarification.
 - b. Package dry samples in the Kolene supplied steel tins, remove any exterior residue, and seal the container with electrical tape to exclude moisture.
 - c. On the lid of the sample tin, identify your company, type of salt or sludge, and the temperature at which it was obtained, as well as the date.
 - d. The sample tins should be over packed in cushioned fiberboard cartons or padded envelopes and again, securely sealed. Identify the hazards on the exterior of the over pack carton or bag as required.

Examples: Kolene® Kastech® Basic: UN1823, sodium hydroxide mixture, solid
 Kolene® No. 6: UN3085, oxidizing substance, solid, corrosive, n.o.s.

4. Regular UPS offers an easy method of transportation with minimal labeling and certification forms requirements. If packages are to be sent using a carrier other than UPS, packaging requirements should be verified with that carrier prior to shipment.
5. For additional information or questions, contact Kolene Corporation.