

[Back to Table of Contents](#)

A. General Description

Use this procedure to sample calcium chloride.

You may sample calcium chloride in three ways:

- With a sampling tube
- With a scoop

While sampling calcium chloride, use the following precautions:

1. Ensure the sample accurately represents the materials. Do not take samples of segregated material.
2. Use sampling methods that prevent moisture from entering the material.
3. Take the correct number of samples depending on the amount of calcium chloride, as follows:

NOTE: Do not let moisture into the sample. Water liquefies calcium chloride and may reduce the percent of calcium chloride in the sample and inaccurately represent the materials sampled.

- a. For lots of less than 10 bags, take 10 individual portions, at least 1 from each bag.
 - b. For lots of 10 bags or more, take a portion from each of 10 bags selected randomly from the lot or shipment.
 - c. For bulk lots, take at least 10 individual portions from different locations in the bulk container.
 - 1) You may sample bulk shipments at either the time of loading or unloading by passing a container through the entire stream of material as it is loaded or unloaded.
4. After taking the several individual portions, combine them into a composite sample.
 5. Mix the sample and quarter out a 5 lb (2 kg) sample.
 6. Place the sample in a plastic bag and immediately seal it airtight.
 7. Submit the sample directly to the [Office of Materials and Research](#).
 8. Identify each sample on Form 170.
 9. Report test results on Form 168.