Louisiana
Department of Transportation and Development
Specifications

Calcium Chloride ($CaCl_2$)

Description:

This specification sets forth the requirements for Calcium Chloride ($CaCl_2$) to be used for dust laying, stabilization, ice removal, and other road conditioning purposes.

General Requirements:

Calcium Chloride ($CaCl_2$) shall be one of the following types:

Type 1 – Regular flake
Type 2 – Concentrated flake, pellet, or other granular

Specific Requirements:

The material shall conform to the following requirements as to chemical composition:

Components	Type 1	Type 2
$CaCl_2$, Minimum Percent	77.0	90.0
Total Alkali Chlorides (as NaCl), Maximum Percent	2.0	5.0
Total Magnesium (as $MgCl_2$), Maximum Percent	0.5	0.5
Other Impurities (not including water), Maximum Percent	1.0	1.0

The material shall conform to the following requirements for particle size, when tested by means of U.S. Standard Sieve Series laboratory sieves:

Sieve	***Percent Passing***
3/8 inch	100
No. 4	80 Min.
No. 20	10 Max.

Test methods shall be the latest in effect.

Packaging and Identification Markings:

The material shall be supplied in 50-pound moisture proof bags.

Identification

Each bag shall be legibly labeled with the following information thereon:

Name and address of manufacturer
Trade name or trademark
Net weight
Percentage of Calcium Chloride guaranteed by the manufacturer

Each bag should additionally be labeled with the following information thereon:

Batch number
Date of manufacture
Purchase order number
Product ID

Sampling and Acceptance:

Bags shall be delivered dry and intact. Acceptance will be based on visual inspection.

The materials will be sampled if the quality of the product is in doubt. A sample of the material will be taken at random from the shipment in accordance with the sampling requirements of the LADOTD Materials Sampling Manual. The material may be rejected if it fails to conform to any of the requirements of this specification, fails sample testing, or has become caked or sticky in shipment.