

Technical Data Sheet

Calcium Chloride Anhydrous (Prills)

Product Description:

Calcium Chloride is white, deliquescent Prills. It is completely soluble in water and alcohol.

Chemical Identification:

Chemical Formula	:	CaCl ₂
Molecular Weight	:	110.98
CAS No.	:	10043-52-4

Specification

Parameters	:	Average Chemical Analysis
Physical appearance	:	White free flowing prills.
Calcium Chloride (CaCl ₂)	:	94 - 97%
Magnesium Chloride	:	2.0 % max.
Calcium Hydroxide	:	0.3 % max.
Calcium Sulphate as CaSO ₄	:	≤ 0.2 % w/w
Iron content as Fe	:	≤ 0.01 % w/w
Moisture	:	≤ 0.5 % w/w
Water Insoluble	:	≤ 1 % w/w
Water Solubility	:	≥ 99 %
Sp. Gravity	:	≥ 1.39 (59.6g CaCl ₂ + 100 mL of distilled water)
Turbidity	:	≤ 75 NTU (36g CaCl ₂ in 100 mL of distilled water)
pH (5% W/V solution)	:	8 – 11

Applications:

Calcium chloride has a variety of applications, like base stabilization for road construction. Grouting agent for mines and oil wells, drilling muds, refrigeration fluid, and soil pH adjuster. Sewage purification aid, flocculent, removal of phosphates and fluorides. Environmental additive for cement kilns.

Packing & Storage:

It is supplied in 1000- kg jumbo bag. It is also supplied in 25 kg Polypropylene bags, having polyethylene liner in bags. It must be stored in well-ventilated and covered area. It should be kept away from rain or damp.

Stability: Stable under normal conditions of use and storage.

General Product Information

Solid calcium chloride is a white, substance in the form of flake, granule, pellet or powder. With different crystallized water contents, it can be dihydrate or anhydrous. As calcium chloride has such properties as quick dissolving, exothermic ability, attracting moisture from the air and surroundings, dissolving at very low temperature, it is widely used in snow & ice melting, dust control, oil & gas drilling, moisture-absorbing, etc.

Shelf Life: Long life is expected in airtight bags.