

TECHNICAL DATA SHEET | TDS

Product Name	Calcium Chloride Flakes 77%	HTS Code	282720000000
Chemical Name	Calcium Chloride Dihydrate (CaCl ₂ •2H ₂ O)	CAS-No.	10043-52-4

I. PRODUCT DESCRIPTION

Calcium Chloride Flake is a purified inorganic salt produced by removing water from the Calcium Chloride Brine solution through evaporation. Usually used in the petroleum industry, such as for drilling as mud additive, additive to oil well completion fluids, Cementing finished oil wells, and Drying petroleum fractions. Used also for De-icing, Desiccant, Paper Manufacturing, etc.

II. CHEMICAL PROPERTIES

ATTRIBUTE	UOM	LIMITS	TESTING METHOD
Calcium Chloride (CaCl ₂)	%	77.0 Min.	ASTM E449-18
Magnesium Chloride (MgCl ₂)	%	0.42 Max.	ASTM E449-18
Alkali Chlorides as (NaCl)	%	6.80 Max.	ASTM E449-18
Calcium Hydroxide (Ca(OH) ₂)	%	0.20 Max.	ASTM E449-18
Sulphate, as (CaSO ₄)	%	0.05 Max.	IS 1314-1984-2000
Heavy metals as Pb	%	0.005 Max.	ICP- EPA 6010D
Water Insoluble	%	0.20 Max.	IS 1314-1984-2000
pH (10% V/V sol)		7.5 – 9.5	ASTM D1293-18

III. PHYSICAL PROPERTIES

ATTRIBUTE	UOM	LIMITS	TESTING METHOD
Appearance	Pass/Fail	White Free Flowing Flakes	
Color Index	APHA	30 Max.	ASTM D1209 - 05(2019)
Particle Size (11 mm)	Wt.%	99 Max.	ASTM C136/C136M-19

IV. PACKAGING

- 1000 kg inner lining polypropylene (PP) Big Bag