



## CALCIUM CHLORIDE FLAKE 77% FG

**Material Group:** 105481

**JULY 2024**

**Synonyms:** Calcium chloride food grade flakes, dihydrate, E 509.

<b>Test</b>	<b>Specification</b>	<b>Method</b>
Appearance	White odourless flakes	
Bulk Density (kg/m <sup>3</sup> )	800 – 900	
CaCl <sub>2</sub> concentration (%)	≥ 77	
Dihydrate, CaCl <sub>2</sub> * H <sub>2</sub> O (%)	99 – 107	
pH, 5% CaCl <sub>2</sub> solution @20°C	9 – 11	
Mg and Alkali Salts (%)	≤ 4.0	
Insoluble in water (%)	≤ 0.20	
Alkalinity, as Ca(OH) <sub>2</sub> (%)	≤ 0.15	
F (mg/kg)	≤ 40	
Heavy metals, as Pb (mg/kg)	≤ 20	
Fe (mg/kg)	≤ 5	
Pb (mg/kg)	≤ 2	
As (mg/kg)	≤ 1	
Hg (mg/kg)	≤ 0.5	
<b>Typical Sieve Analysis</b>		
6.3mm (% passing)	Approx 100	
4mm (% passing)	Approx 90	
2mm (% passing)	Approx 30	
1mm (% passing)	Approx 10	
<b>Typical values</b>		
Residual mass H <sub>2</sub> O (%)	18 - 22	

Complies with EC 2012/231, FCC Ed. 13 and FAO/JECFA 2004, DIN 19626 standards.

**Storage:** Store indoors on pallets at ambient temperatures.

**Shelf life:** 2 years if properly stored.

### Revision 01

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