

KNIGHT CHEMICALS LLC

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SALES SPECIFICATION

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NAME: CALCIUM CHLORIDE 77-80% FLAKE

DESC: WHITE, ODORLESS. DELIQUESCENT FLAKES

<u>TEST ITEM</u>	<u>UNIT</u>	<u>LIMITS</u>
CALCIUM CHLORIDE	%	77.0 MIN
TOTAL ALKALI CHLORIDE (AS NaCl)	%	6.0 MAX
TOTAL MAGNESIUM (AS MgCl ₂)	%	0.07 MAX
OTHER IMPURITIES NOTE 2	%	0.85 MAX BY DIFFERENCE NOTE 1
CALCIUM HYDROXIDE	%	0.35 MAX
SULFATE (AS SO ₄)	%	0.15 MAX
HEAVY METALS (AS Pb)	%	0.002 MAX
IRON (AS Fe)	%	0.005 MAX
CALCIUM CARBONATE (FROM CO ₂)	%	0.07 MAX
SIZE ANALYSIS		
16 MM AND ABOVE	%	0
8 MM – 16 MM	%	10 – 15
0.3 – 8 MM	%	80 – 90
0 – 0.3 MM	%	2 – 4
TAPPED BULK DENSITY	LB/CU. FT.	51 – 60

SALES NOTES

1. OTHER IMPURITIES = $100 - (\text{CaCl}_2 + \text{NaCl} + \text{MgCl}_2 + \text{KCl} + \text{Ca}(\text{OH})_2 + \text{H}_2\text{O})$.
2. ACTUAL LIMIT MAY BE GREATER THAN 0.85 IF ASSAY IS GREATER THAN 77.0%. ACTUAL LIMIT IS $1.0 \times \text{ASSAY}/90.5$.
3. STRONTIUM CANNOT BE DISTINGUISHED FROM CALCIUM IN THE SPECIFICATION TEST METHOD, AND IS INCLUDED IN THE CALCIUM CHLORIDE RESULTS. CALCIUM HYDROXIDE IS ALSO INCLUDED IN THE CALCIUM DETERMINATION, BUT THE CALCIUM CHLORIDE RESULTS ARE CORRECTED FOR THIS COMPONENT.