

KINGDOM OF SAUDI ARABIA Khair Inorganic Chemical Industries Company

Saudi Closed Joint Stock Company Paid up Capital SR 800 Million المملكة العربية السعودية شركة صناعات الخير للكيماويات غير العضوية (إنوكيم) شركة مساهمة سعودية مقفلة رأس مال ٨٠٠ مليون ريال سعودي مدفوع بالكامل

TECHNICAL DATA SHEET | TDS

Product Name	Calcium Chloride Granules 94%		HTS Code	282720000000
Chemical Name	Calcium Chloride Anhydrous (CaCl ₂)		CAS-No.	10043-52-4

I. PRODUCT DESCRIPTION

Calcium Chloride Granule 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

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ATTRIBUTE	UOM	LIMITS	TESTING METHOD	
Calcium Chloride (CaCl ₂)	%	94.0 Min.	ASTM E449-18	
Magnesium Chloride (MgCl ₂)	%	0.43 Max.	ASTM E449-18	
Alkali Chlorides as (NaCl)	%	5.00 Max.	ASTM E449-18	
Calcium Hydroxide (Ca(OH) ₂)	%	0.25 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 Granules
Color Index	APHA	20 Max.	ASTM D1209-05(2019)
Particle Size (1-4mm)	Wt.%	99.00 Max.	ASTM C136/C136M-19

IV. PACKAGING

■ 1000 kg inner lining polypropylene (PP) Big Bag

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Doc No.: INO-LAB-TDS-003 Version No.: 02 Issue Date: 01.08.2023 Page 1 of 1

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