



Potassium Chloride approx. 99 % KCl

technical industrial

Version 3.1

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Combined nomenclature: 31,042,090

Nature of Product: white crystals, occasionally slightly reddish

Chemical Analysis:	typical	w
• Potassium chloride (KCl)	99.1	%
• Loss on Ignition	0.3	%
• Loss on Drying (2 h, 105°C)	0.1	%
• Na	0.3	%
• Br	0.2	%
• Mg	60	mg/kg
• Ca	60	mg/kg
• SO ₄	300	mg/kg
• H ₂ O-Insolubles	100	mg/kg
• Heavy metals as Pb	< 5	mg/kg

Granulometry:	typical	w
• < 0.8 mm	99	%
• d ₅₀ [mm]	0.30	

Physical Properties:

• Bulk Density	ca. 1,100 kg/m ³
• Bulk Density (packed)	ca. 1,200 kg/m ³
• Angle of Repose	ca. 31 °
• Molecular Weight	74.55 g/mol
• Density	1.989 g/cm ³
• Melting / Solidification Point	770 °C
• Solubility in water	w (KCl) = 25.5 % at 20 °C (68 °F)

Additive:

- upon request with an anti-caking agent (the pure product is prone to caking)

Packaging:

- PE bags of 25 or 50 kg, big bags, in bulk

Application:

Chlor-alkali electrolysis, for the production of chlorine and potassium hydroxide as well as their subsequent products; conversion into other potassium containing salts; electroplating and fusion electrolysis of other metals; dyestuffs; salt fluxes and carburising agents; carrageenan; regeneration agent for ion exchangers; zeolites; drilling muds; synthetic rubber production; liquid fertilisers; glass industry.

The data given above are based on our continuous quality monitoring system. They do not exempt the users from their obligation to make an incoming control of the delivered product. The data are for information purposes only and are not to be taken as a guarantee. It is the responsibility of the users to determine the product's suitability for its intended use.