



## บริษัท พลวัต อินเตอร์เคม จำกัด

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#### Technical Data Sheet



### Potassium Chloride 99.9 % KCl

Ph. Eur., USP

Purity and properties correspond to the requirements of the a.m. regulations (see enclosed table for values/limits)

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**Combined nomenclature:** 31,042,090

**Nature of Product:** white crystals

<b>Chemical Analysis:</b>	<b>typical</b>	<b>w</b>
• KCl, calculated with reference to the dried substance	99.9	%
• Loss on Drying (2 h, 105°C)	0.1	%
• Na	40	mg/kg
• Mg	10	mg/kg
• Ca	5	mg/kg
• SO <sub>4</sub>	20	mg/kg

<b>Granulometry:</b>	<b>typical</b>	<b>w</b>
• < 0.8 mm	99	%
• d <sub>50</sub> [mm]	0.35	

#### Physical Properties:

• Bulk Density	ca. 1,100 kg/m <sup>3</sup>
• Bulk Density (packed)	ca. 1,250 kg/m <sup>3</sup>
• Angle of Repose	ca. 30 °
• Molecular Weight	74.55 g/mol
• Density	1.989 g/cm <sup>3</sup>
• Melting / Solidification Point	770 °C
• Solubility in water	w (KCl) = 25.5 % 20 °C (68 °F)

#### Upon request:

- Addition of an anti-caking agent (the pure product is prone to caking)
- Special sieving

#### Shelf life:

- Retest date: 3 years after production

#### Packaging:

- FFS-PE bags 25 kg
- Big Bags

#### Application:

In the pharmaceutical industry, especially for dialysis and infusion solutions as well as for standard injections, tablets, enteral and parenteral nutrition.