

## GENERAL QUALITY DATA SHEET

### Potassium Chloride [ChemPure] ChemElements™

<b>CAS No.</b>	7447-40-7
<b>EC No.</b>	231-211-8
<b>Tariff No.</b>	3104 20 90 00
<b>Material number:</b>	90281030*

**KCl**

#### Typical properties

Molecular weight:	74,56
Melting point:	773°C
Solubility in water:	330 g/l (20°C)
Specific gravity:	1,989 g/cm <sup>3</sup>
Appearance:	White crystals or powder

#### Quality: GOST 4234-77 [ChemPure]

1. Assay (KCl, after ignition):	≥99,8%
2. Water-insoluble matter:	≤0,005%
3. Loss on ignition:	≤0,5%
4. Acidity (HCl):	≤0,002%
5. Alkalinity (KOH):	≤0,003%
6. Total nitrogen (N):	≤0,0005%
7. Sulfates (SO <sub>4</sub> ):	≤0,002%
8. Phosphates (PO <sub>4</sub> ):	≤0,0005%
9. Chlorates and nitrates (ClO <sub>3</sub> ):	≤0,0012%
10. Barium (Ba):	≤0,001%
11. Iron (Fe):	≤0,0001%
12. Magnesium (Mg):	≤0,0005%
13. Arsenic (As):	≤0,00004%
14. Heavy metals (Pb):	≤0,0005%

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15. Sodium (Na):	≤0,2%
16. Calcium (Ca):	≤0,001%

### Standard packing

- \*25 kg three-layer paper brown craft bag with polyethylene inliner (50 µm);
- \*25 kg polypropylene bag (60 g/m<sup>2</sup>) with polyethylene inliner (50 µm).

### Available on request

\*Other customer-specific packing, quality parameters

### Shelf life

3 years

### Storage recommendation

Store in a dry (hygroscopic substance), closed, ventilated warehouse in the original tightly closed packaging.

### Application

- Hologram production;
- Oil industry: drilling mud;
- Analytical chemistry: reagent;
- Fluxes.

### Certification

FSSC 22000:2013, ISO 9001:2015, Kosher, Halal MUI

### Hazards Identification

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

### Transport Information

<b>UN number:</b>	Not dangerous goods
<b>UN proper shipping name:</b>	Not dangerous goods
<b>Transport hazard class(es)</b>	
<b>Land transport (ADR/RID):</b>	Not classified as dangerous in the meaning of transport regulations
<b>Air transport (IATA):</b>	Not classified as dangerous in the meaning of transport regulations
<b>Sea transport (IMDG):</b>	Not classified as dangerous in the meaning of transport regulations
<b>Packaging group:</b>	Not dangerous goods
<b>Environmental hazards:</b>	Not dangerous goods



ChemElements – the alternative producer of high purity mineral salts located in Europe. Raw materials for food, pharmaceutical, feed, agriculture, and technical applications



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## GENERAL QUALITY DATA SHEET

### Production

CHEMICAL ELEMENTS UKRAINE, LLC  
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+38 0472 59 02 28  
hello@chemelements.life  
www.chemelements.life

### Sales

<b>Chemelements Germany</b>	<b>Chemelements Ukraine</b>	<b>Chemelements Russia</b>
Colonnaden, 5, Hamburg, 20354, Germany +49 40 333 13 237 hello@chemelements.life www.chemelements.life/en	Khimikov avenue, 74, Cherkassy, 18028, Ukraine +38 0472 59 02 28 hello@chemelements.life www.chemelements.life/ua	Kirova street, 26, Staraya Kupavna, 142450, Russia +7 495 662 95 25 hello@chemelements.life www.chemelements.life/ru

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This data sheet is for information purposes only and is based on observations of our standard product. It does not release the user from any obligation to test the material and determine suitability for each application.