

GENERAL QUALITY DATA SHEET

Potassium Chloride [Reagent Grade] ChemElements™

CAS No.	7447-40-7
EC No.	231-211-8
Tariff No.	3104 20 90 00
Material number:	90281020*

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 ³
Appearance:	White crystals or powder

Quality: GOST 4234-77 [Reagent Grade]

1. Assay (KCl, after ignition):	≥99,8%
2. Water-insoluble matter:	≤0,010%
3. Loss on ignition:	≤0,8%
4. Acidity (HCl):	≤0,002%
5. Alkalinity (KOH):	≤0,003%
6. Total nitrogen (N):	≤0,0010%
7. Sulfates (SO ₄):	≤0,005%
8. Phosphates (PO ₄):	≤0,0020%
9. Chlorates and nitrates (ClO ₃):	≤0,0012%
10. Barium (Ba):	≤0,005%
11. Iron (Fe):	≤0,0003%
12. Magnesium (Mg):	≤0,0020%
13. Arsenic (As):	≤0,00010%
14. Heavy metals (Pb):	≤0,0005%

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15. Sodium (Na):	≤0,4%
16. Calcium (Ca):	≤0,005%

Standard packing

- *25 kg three-layer paper brown craft bag with polyethylene inliner (50 µm);
- *25 kg polypropylene bag (60 g/m²) 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

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