

GENERAL QUALITY DATA SHEET

Potassium Chloride EasyFlowing [Pharma Grade] ChemElements™

CAS No.	7447-40-7
EC No.	231-211-8
Tariff No.	3104 20 90 00
Material number:	90283050*

KCI

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: c/w monographs [ph. Eur, USP, FCC]

1. Identification:	Passes test	ph. Eur, USP, FCC
2. Appearance of solution:	Passes test	ph. Eur
3. Assay (KCI, dried substance):	99,0-100,5%	ph. Eur, USP, FCC
4. Acidity or alkalinity:	Passes test	ph. Eur
5. Acidity or alkalinity:	Passes test	USP, FCC
6. Bromides (Br):	≤0,1%	ph. Eur, USP
7. Iodides (I):	≤0,005%	USP
8. Iodides (I):	Passes test	ph. Eur
9. Iodide and/or Bromide:	Passes test	FCC
10. Sulfates (SO ₄):	≤300 ppm	ph. Eur
11. Barium (Ba):	Passes test	ph. Eur
12. Iron (Fe):	≤20 ppm	ph. Eur
13. Magnesium and alkaline-earth metals, calculated as Ca:	≤200 ppm	ph. Eur
14. Heavy metals (Pb):	≤5 ppm	USP, FCC
15. Sodium (Na):	≤0,1%	ph. Eur

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16. Sodium (Na):	Passes test	USP, FCC
17. Calcium and magnesium (Ca+Mg):	Passes test	USP
18. Loss on drying:	≤1,0%	ph. Eur, USP, FCC
19. Aluminum (Al):	≤1,0 ppm	ph. Eur, USP

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

In medicine:

- Hemodialysis
- ORS
- Treatment of hypokalemia
- Treatment of arrhythmia in myocardial infarction
- Production of lethal injections

In the food industry:

- Dietary salts / salt substitute
- Sports nutrition
- Mineral drinks
- Production of functional mixtures for the meat industry (gelling agent)
- Flavor enhancer
- Stabilizer / thickener
- Yeast food

Certification

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



PUREPHARMA

High purity mineral salts for pharmaceutical, cosmetic, biotech industry and infant formulas

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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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

Production

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Revision Date: May, 2020

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.