

GENERAL QUALITY DATA SHEET

Potassium Chloride EasyFlowing [ExtraPure] [Food Grade] ChemElements™

CAS No.	7447-40-7
EC No.	231-211-8
Tariff No.	3104 20 90 00
Material number:	90282111*

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 [FCC, FAO/WHO, E 508]

1. Identification:	Passes test	FCC, FAO/WHO, E 508
2. Assay (KCI, dried substance):	≥99,0%	FCC, FAO/WHO, E 508
3. Acidity or alkalinity:	Passes test	FCC, FAO/WHO
4. Iodide and/or Bromide:	Passes test	FCC, FAO/WHO
5. Heavy metals (Pb):	≤5 ppm	FCC
6. Sodium (Na):	Passes test	FCC, FAO/WHO, E 508
7. Lead (Pb):	≤2 ppm	FAO/WHO, E 508
8. Arsenic (As):	≤3 ppm	E 508
9. Mercury (Hg):	≤1 ppm	E 508
10. Cadmium (Cd):	≤1 ppm	E 508
11. Loss on drying:	≤1,0%	FCC, FAO/WHO, E 508

Standard packing

Available on request

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- *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)

*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

- 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

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



PUREFOOD

High purity mineral salts for food industry

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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<http://www.chemelements.life>



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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.