

PURE**FOOD**

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









@chemelements

http://www.chemelements.life

GENERAL QUALITY DATA SHEET

Potassium Chloride [Pure] [Food Grade] ChemElements™

CAS No. 7447-40-7 EC No. 231-211-8 Tariff No. 3104 20 90 00

KCI

Typical properties

Material number:

Molecular weight: 74,56 Melting point: 773°C

Solubility in water: 330 g/l (20°C) Specific gravity: 1,989 g/cm3

White crystalline powder with a creamy shade. Appearance: Individual dark particles may be present.

90292011*

Flavor and odour: Salty, odourless

Quality: [TY Y 10.8-13476327-001:2014] 1. Assay (KCl, after drying): ≥99,0% ≤0,5% 2. Loss on drying: 3. Sulfates (SO₄): ≤0,01% ≤0,02% 4. Magnesium (Mg): ≤0,5% 5. Sodium (Na): 6. Calcium (Ca): ≤0,02% 7. Lead (Pb): ≤2 mg/kg ≤1,0 mg/kg 8. Arsenic (As): 9. Cadmium (Cd): ≤0,1 mg/kg ≤0,01 mg/kg 10. Mercury (Hg): 11. Particle size: - residue on sieve (450 μ): ≤10% - residue on sieve (250 μ): ≤40%

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- residue on sieve (100 μ):

Standard packing

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

- Dietary salts / salt substitute
- Production of functional mixtures for the meat industry (gelling agent)
- Flavor enhancer
- Stabilizer / thickener

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 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):

Packaging group: Not dangerous goods

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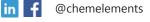
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Production

CHEMICAL ELEMENTS UKRAINE, LLC Khimikov avenue, 74, Cherkassy, 18028, Ukraine +38 0472 59 02 28 hello@chemelements.life www.chemelements.life

Sales		
Chemelements Germany	Chemelements Ukraine	Chemelements Russia
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.