

**Potassium Chloride 99.9 % KCl**
Ph. Eur., USP

2022-11-11
Werk Werra, Standort WI
Klaus Jahn
Quality Control
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Manufacturer:	K+S Minerals and Agriculture GmbH	K+S Batch No.:	3422000814
K+S Order No.:	7100316869	Manufact. Date:	2022-10-21
Delivery /-Item No.:	7200734445 / 000010	Retest date:	2025-10-20
Quantity:	27 TO		
Loading date:	2022-11-11	K+S Specification:	77761 2-0 (STD)
Cust. Order No.:	00350 - Mail 26.07.2022		

General information:

Manufacturer's address: Bertha-von-Suttner-Str. 7, 34131 Kassel, Germany

Manufacturing site's address: In der Aue 1, 36266 Heringen, Germany

Appearance: White or almost white, crystalline powder or colourless crystals.

Residual solvents: Meets ICH guideline CHMP/ICH/82260/2006 and test < 467 > of the United States Pharmacopoeia.

Solubility: Freely soluble in water, practically insoluble in anhydrous ethanol.

Parameter	Method of Analysis	Result	Specification
Appearance of Solution	Ph. Eur.	corresponds	o.K.
Acidity/Alkalinity	volumetry	corresponds	o.K.
Bromide *)	ICP-AES (Br and I in KCl)	corresponds	<= 1000 mg/kg
Sulphate	ICP-AES (KCl)	<5 mg/kg	<= 300 mg/kg
Aluminum	ICP-AES (KCl)	<0.1 mg/kg	<= 1 mg/kg
Iron	ICP-AES (KCl)	<0.1 mg/kg	<= 20 mg/kg
Alkaline-Earth Metals as Ca	ICP-AES (KCl)	<3 mg/kg	<= 200 mg/kg
Sodium	ICP-AES (KCl)	25 mg/kg	<= 1000 mg/kg
Loss on drying (3h, 105°C) *)	gravimetry	0.03 %	<= 1.0 %
Identity Reaction	ICP-AES (KCl)	corresponds	o.K.
Iodide acc. Ph.Eur. *)	ICP-AES (Br and I in KCl)	corresponds	o.K.
Iodide acc. USP *)	ICP-AES (Br and I in KCl)	<2 mg/kg	<= 50 mg/kg
Assay (Dried Basis)	calculated	100.0 %	99.0 .. 100.5 %

*) not tested on each batch

Electronically released by Klaus Jahn on 2022-10-24

This certificate does not relieve the purchaser from examining the product upon delivery and gives no assurance of suitability of the product for any particular purpose.