

Certificate of Analysis

Potassium Chloride 99 % KCl
technical industrial



The Authority in Potassium and Magnesium

K + S Batch No.: 7117000693
Manufact. Date: 2017-08-28
Recommended
use until: 2022-08-28

General Information:

Nature of Product: white crystals, occasionally slightly reddish

Parameter	Method of Analysis	Result	Specification
Potassium Chloride	ICP - AES	99.1 %	> = 99.0 %
Loss on Ignition *)	450°C	0.2 %	< = 0.4 %
Loss on Drying	2h, 105°C	0.1 %	< = 0.2 %
Sodium	ICP - AES	0.2 %	0.2 .. 0.3 %
Bromide	ICP - AES	876 mg/kg	450 .. 1200 mg/kg
Magnesium	ICP - AES	46 mg/kg	20 .. 120 mg/kg
Calcium	ICP - AES	6 mg/kg	2 .. 20 mg/kg
Sulphate	ICP - AES	57 mg/kg	40 .. 100 mg/kg
Water-insoluble matters *)	gravimetry	50 mg/kg	30 .. 100 mg/kg
Heavy Metals as Lead *)	Ph. Eur.	< 5 mg/kg	< = 5 mg/kg
Hexacyanoferrate dosage		corresponds	typ. 145 mg/kg

*) not tested on each batch

Electronically released by Hahn, Annedore on 2017-08-28

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.