



Specification

Concerning Product:	
Article number	1310583
Trade name / designation / denomination	Kaliumhydroxid
CAS number	1310-58-3
Other names / synonyms	<ul style="list-style-type: none"> •POTASSIUM HYDROXIDE; •POTASSIUM HYDROXIDE, U.S.P./N.F.; •Potassium Hydroxide; •Potassium Hydroxide, Flakes, Technical; •Potassium Hydroxide, Pellets, BiotechGrade; •Potassium Hydroxide, Pellets, FCC; •Potassium Hydroxide, Pellets, NF; •Potassium Hydroxide, Pellets, Reagent, ACS; •Potassium deuterioxide solution; •Potassium hydroxide;
EC number	215-181-3
EC index number	019-002-00-8
Customs tariff number / CN code / TARIC	28152000
Molecular weight [g / mol]	56,11
Formula	KOH HKO
<p>May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: IF IN EYES: IF exposed or if you feel unwell: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.</p>	

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	complies	
Physical parameter		
Substances insoluble	complies	%
Identity		
Assay	acidimetrisch, KOH ≥ 85,0	%
Assay	K ≥ 59,9	%
Assay	Total alkali, calculated as KOH 85,0 – 100,5	%
Identification	complies	
Impurities		
Heavy Metals (as Pb)	≤ 0,0005	%
Phosphate (PO ₄)	≤ 0,002	%
Sulphates (SO ₄)	≤ 0,005	%
Impurity	Carbonate as K ₂ CO ₃ ≤ 2,0	%
Impurity	SiO ₂ : ≤ 0,01	%
Residual Solvents		
Residual solvents	(Ph Eur/USP/ICH) excluded by the manufacturing process	

Elemental Impurities		
Aluminium (Al)	≤ 0,001	%
Arsenic (As)	≤ 0,0003	%
Calcium (Ca)	≤ 0,002	%
Chlorides (Cl)	≤ 0,008	%
Copper (Cu)	≤ 0,0005	%
Iron (Fe)	≤ 0,001	%
Mercury (Hg)	≤ 0,00001	%
Nitrogen (N)	≤ 0,0005	%
Sodium (Na)	≤ 1,0	%
Lead (Pb)	≤ 0,0002	%
Zinc (Zn)	≤ 0,0025	%

Supplemental information:

Complies with monographie: Ph.Eur., BP, JP, NF, FCC, E525

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. Oct. 2019

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