

**PRODUCT CODE: 141480****Potassium Hydrogen Carbonate (USP, BP, Ph. Eur.) pure, pharma grade**

CHKO₃KHCO₃

M.= 100,12

CAS [298-14-6]

EINECS 206-059-0

TARIC 2836 40 00 00

SYNONYMS: Potassium Bicarbonate**PHYSICAL DATA:** crystalline powder, White, Soluble in water 438 g/l at 20 °C Thermal decom. above 292 °C • D 2,17 • M.P.: 292 °C • pH(50g/l)8,5 •**BIBLIOGRAPHY:** Merck Index **12**, 7.770 13, 7.691 Römp **8**, **2017** • ACS **XI** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:** LD50 oral rat 4.220 mg/kg •**SPECIFICATIONS:**

Assay (Acidim.)	99,5-101,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 5% solution	<= 8,6

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in H2O	0,01 %
Loss on drying	0,3%
Chloride (Cl)	0,005%
Sulfur compounds (as SO4)	0,005 %
Ammonium (NH4)	0,002 %

Phosphate (PO ₄)	0,001 %
Carbonate (as K ₂ CO ₃)	2,5%
Carbonate (Ph. Eur.)	passes test

Residual solvents (Ph.Eur/USP)	passes test
Heavy metals (as Pb)	0,001%

Residual metals ICP: (according to EMEA/CHMP/SWP/4446/2000)

Class 1A (Pt, Pd)	10 ppm
Class 1B (Ir, Rh, Ru, Os)	10 ppm
Class 1C (Mo, Ni, Cr, V)	25 ppm
Class 2 (Cu, Mn)	250 ppm
Class 3 (Fe, Zn)	1.300 ppm

As	0,0002 %
Ca	0,01 %
Fe	0,001 %
Mg	0,01 %
Na	0,5 %