

**PRODUCT CODE: 191490****Potassium Carbonate (USP, BP, Ph. Eur.) pharma grade**

CK₂O₃K₂CO₃

M.= 138,21

CAS [584-08-7]

EINECS 209-529-3

TARIC 2836 40 00 00

PHYSICAL DATA: crystalline powder, White, Soluble in water 1.120 g/l at 20 °C Hygroscopic • D 2,428 • M.P.: 891 °C • pH(50g/l)12 •

BIBLIOGRAPHY: Merck Index **13**, 7.702 Sax **PLA000** • Safety **2**, **2896 D** • Römp **8**, **2013** • Fieser **11014 450 5552 8408 9382 10323 11433 13254** • ACS **XI** • ISO 6353/3-1987R - 76, 46 • 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: RTECS: TS 7750000 • LD50 oral rat 1.870 mg/kg •



H: H302 •

P: P264 • P270 • P301+P312 • P330 • P501 •

SPECIFICATIONS:

Assay (Acidim.) calc. a.d.s.	99,5-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
Maximum limit of impurities	
Appearance of solution	passes test
Insoluble matter in H ₂ O	passes test
Loss on drying at 180°C	0,5%

Chloride (Cl)	0,002%
Sulfate (SO ₄)	0,01%
Residual solvents (Ph.Eur/USP)	passes test
Heavy metals (as Pb)	0,0005%
Ca	0,005 %
Fe	0,001 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	2 ppm
As	1,5 ppm
Hg	1 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	5 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm