



PRODUCT CODE: 131490

Potassium Carbonate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO

CK₂O₃

K₂CO₃

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.**2020** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • 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: H315 • H319 • H335 •

P: P264 • P270 • P501 •

SPECIFICATIONS:

Minimum assay (Acidim.) calc. a.d.s. 99,0%

Maximum limit of impurities

Insoluble matter in H ₂ O	0,005 %
Loss on drying at 300°C	1,0%
Chloride (Cl)	0,002%
Nitrogen compounds (as N)	0,001%

Sulfur compounds (as SO4)	0,003 %
Phosphate (PO4)	0,001 %
Silicate (as SiO2)	0,005%
As	0,0001 %
Heavy Metals (ICP-OES)	0,0005 %

Metals by ICP [in mg/Kg (ppm)]

Ag	5
Al	10
Au	5
B	5
Ba	5
Be	5
Bi	5
Ca	20
Cd	5
Co	5
Cr	5
Cu	5
Fe	5
Ga	5
Ge	5
In	5
Li	5
Mg	20
Mn	5
Mo	5
Na	200
Ni	5
Pb	5
Pt	5
Sb	5
Se	20
Si	20
Sn	5
Sr	5
Ti	5
Tl	5
V	5
Zn	5
Zr	5