

**PRODUCT CODE: 131490****Potassium Carbonate (Reag. Ph. Eur.) for analysis, ACS, ISO**

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:

| | |
|--------------------------------------|-------|
| 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 SO ₄) | 0,003 % |
| Phosphate (PO ₄) | 0,001 % |
| Silicate (as SiO ₂) | 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 |