



**PRODUCT CODE: 131494**

**Potassium Chloride (Reag. USP) for analysis, ACS, ISO**

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CIK  
KCI

M.= 74,56 CAS [7447-40-7] EINECS 231-211-8  
TARIC 3104 20 90 00

**PHYSICAL DATA:** crystalline powder, White, Soluble in water 340 g/l at 20 C D 20/4 1,98 · M.P.: 778 C · B.P.: 1.420 C · pH5,5 - 8,5 ·

**BIBLIOGRAPHY:** Merck Index **12**, 7.783 13, 7.704 Sax **PLA500** · Safety **2** , **2897 C** · Rmp **8** , **2014** · Fieser **6480** · ACS **XI** · ISO 6353/3-1987 R - 77 , 48 · BP.**2020** · USP **42** · Ph. Eur. **9.0** (2017) **10.0** (2020) · F.C.C **11 12** · BOE **243**(8-10-2009) · Directive 98/86/EC · Regulation (EU) n 231/2012 ·

**HAZARDOUS:**RTECS: TS 8050000 · LD L0 oral man 20 mg/kg · LD50 oral rat 2.600 mg/kg ·

#### **SPECIFICATIONS:**

Assay (Arg.) 99,5-100,5%

pH of 5% solution 5,4-8,0

#### **Maximum limit of impurities**

Insoluble matter in H2O 0,005 %

Loss on drying at 150C 0,5%

Nitrogen compounds (as N) 0,001%

Bromide (Br) 0,01%

Phosphate (PO4) 0,0005 %

Sulfate (SO4) 0,001%

Iodide (I) 0,002%

Chlorate and nitrate (as NO3) 0,003%

Heavy metals (as Pb) 0,0005%

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

Ag	5
Al	10
Au	5
B	5
Ba	10
Be	5
Bi	5
Ca	10
Cd	5
Co	5
Cr	5
Cu	5
Fe	2
Ga	5
Ge	5
Hg	5
In	5
Li	5
Mg	10
Mn	5
Mo	5
Na	50
Ni	5
Pb	5
Pt	5
Sb	5
Se	5
Si	5
Sn	5
Sr	5
Ti	5
Tl	5
V	5
Zn	5
Zr	5