

**PRODUCT CODE: 241494****Potassium Chloride standard for volumetry, ACS, ISO**Primary Chemical Matter

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CIK

KCl

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** • Römp **8**, **2014** • Fieser **6480** • ACS **X516 IX4922** (15-6-2002) 4 (30-10-2003) • ISO 6353/3-1987 R - 77, 48 • BP. **2014** • USP **38** • Ph. Eur. **7.0** (2013) **8.0** (2014) • F.C.C **8 9** • 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:**

Uncertainty

Traceability

Assay (Arg.) (after drying at 110°C)

pH of 5% solution

See certificate

NIST

99,95-100,05 %

5,4-8,0

**Maximum limit of impurities**

Insoluble matter in H2O

Nitrogen compounds (as N)

Bromide (Br)

Phosphate (PO4)

Sulfate (SO4)

0,005 %

0,001%

0,01%

0,0005 %

0,001%

Iodide (I)	0,002%
Chlorate and nitrate (as NO <sub>3</sub> )	0,003%
Heavy metals (as Pb)	0,0005%
<b>Metals by ICP [in mg/Kg (ppm)]</b>	
Ag	5
Al	10
Au	5
B	5
Ba	10
Be	5
Bi	5
Ca	20
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