PanReac AppliChem
ITW Reagents

PRODUCT CODE: 131532

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

K_2O_4S

K_2SO_4

M.= 174,27 CAS [7778-80-5] EINECS 231-915-5

TARIC 3104 30 00 00

PHYSICAL DATA: crystals, crystalline powder, White, Soluble in water 110 g/l at 20 °C D 2,662 • M.P.: 1.069 °C • B.P.: 1.689 °C • pH5,5 - 7,5 •

BIBLIOGRAPHY: Merck Index **12,** 7.845 13**,** 7.759 Sax **PLT**000 • Römp **8 , 2025** • ACS **XI** • ISO 6353/3-1987R - 85 , 60 • Ph. Eur. **10.0** 7 4548 • F.C.C **11 12** • BOE **243**(8-10-2009) • Regulation (EU) nº 231/2012 •

HAZARDOUS: RTECS: TT 5900000 • LD L0 oral wmn 800 mg/kg • LD50 oral rat 6.600 mg/kg •

SPECIFICATIONS:

Minimum assay	99,0%
pH of 5% solution	5,5-8,0

Maximum limit of impurities

Insoluble matter in H2O	0,005 %
Loss on drying at 105°C	1,0%
Chloride (Cl)	0,0005%
Nitrogen compounds (as N)	0,0005%
Phosphate (PO4)	0,0005 %
As	0,0001 %
Heavy Metals (ICP-OES)	0,0005 %

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

Al	5

Ba	5
Be	5
Ca	50
Cd	5
Co	5
Cr	5
Cu	5
Fe	5
Ga	5
In	5
Li	10
Mg	20
Mn	5
Mo	5
Na	200
Ni	5
Pb	5
Se	5
Sr	5
Ti	5
V	5
Zn	5
Zr	5