

**PRODUCT CODE: 131532****Potassium Sulfate (Reag. Ph. Eur.) for analysis, ACS, ISO**

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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 **PLT000** • Römp **8** , **2025** • ACS **XI** • ISO 6353/3-1987R - 85 , 60 • Ph. Eur. **9.0** 7 4548 • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 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 (as Pb)      | 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   |