

## 31481 Sodium sulfate Puriss. p.a., ACS Reagent, Reag. ISO, Reag. Ph. Eur., anhydrous, ≥99.0%

### Specyfikacja:

Property	Value
APPEARANCE (COLOR)	Colorless or White
ACS SPECIFICATIONS	corresponds to requirements
REMARKS ON ACS	in water insoluble matters ≤ 0.01 %; heavy metals (as Pb) ≤ 0.0005 %
METAL TRACE ANALYSIS (ICP)	corresponds to requirements
CALCIUM (ICP)	0 - 20 mg/kg
IRON (ICP)	0 - 5 mg/kg
POTASSIUM (ICP)	0 - 100 mg/kg
MAGNESIUM (ICP)	0 - 25 mg/kg
LEAD (ICP)	0 - 5 mg/kg
ARSENIC TRACES (MHS-AAS)	0 - 1 mg/kg
CHLORIDE (CL)	0 - 10 mg/kg
APPEARANCE (FORM)	Powder
TOTAL NITROGEN	0 - 5 mg/kg
PHOSPHATE (PO <sub>4</sub> )	0 - 10 mg/kg
TITRATION (ION EXCHANGE)	99 - 101 %
SOLUBILITY (COLOR)	Colorless
SOLUBILITY (TURBIDITY)	Clear
SOLUBILITY (METHOD)	0.5G IN 10ML WATER
PH	5.2 - 8.0
LOSS ON IGNITION	≤ 0.5% 800 C
TRACE ANALYSIS (ADDITIONAL TESTS)	free acid (as H <sub>2</sub> SO <sub>4</sub> ) ≤ 0.05 %; free alkali (as NaOH) ≤ 0.03 %

### Właściwości fizyczne:

Property	Value
Mp	884 °C(lit.)
Suitability	complies for appearance of solution
Anion traces	phosphate (PO <sub>4</sub> <sup>3-</sup> ): ≤10 mg/kg
Impurities	≤0.01% in water insoluble matters
Cation traces	Fe: ≤5 mg/kg
Loss	≤0.5% loss on ignition, 800 °C
Grade	puriss. p.a.
Density	2.68 g/cm <sup>3</sup>
PH	5.2-8.0 (20 °C, 5%)
Assay	≥99.0%
Freezing point	884 °C

### Informacje dot. bezpieczeństwa:

Property	Value
Flashpoint	196 °C