

Technical Datasheet

Article No. 2353

1,4-Dioxane p. a.
min. 99.8 % C₄H₈O₂

For laboratory use.

Parameter	Value
Description	Clear, colourless liquid
Density (20 °C)	1.032–1.036 g/ml
Boiling point	100.5–101.5 °C
Freezing point	11.5–12.1 °C
Mol.-Weight	88.11 g/mol
Identity	conform
Refractive index (20 °C)	1.4194–1.4254
Water (KF)	max. 500 ppm
Residue on evaporation	max. 20 ppm
Acetal	max. 50 ppm
Acidity	max. 0.0016 meq/g
Carbonyl (as HCHO)	max. 100 ppm
Total phosphorus(P)	max. 0.1 ppm
Peroxides (H ₂ O ₂)	max. 50 ppm
Total silicon (Si)	max. 0.05 ppm
Total sulfur (S)	max. 0.2 ppm
Calcium (Ca)	max. 0,5 ppm
Copper (Cu)	max. 0.02 ppm
Iron (Fe)	max. 0.2 ppm
Potassium (K)	max. 0.1 ppm
Magnesium (Mg)	max. 0.05 ppm
Sodium (Na)	max. 0.5 ppm
Lead (Pb)	max. 0.05 ppm

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Tin(Zn)	max. 0.2 ppm
Stabilized with approx 5 ppm BHT	