

Certificate of Analysis
Hydrogen Peroxide 35% FOOD GRADE

The product INTEROX® AG-Bath-35S complies with the limits of the physicochemical characteristics of the monograph "Hydrogen Peroxide solution" in the current European Pharmacopoeia, except assay.

It complies also with the limits of the physicochemical characteristics of the Food Chemicals Codex 11th edition and of Drinking Water Standard EN 902.

INTEROX® AG-Bath-35S is approved by leading manufacturers (OEM's) of aseptic filling machines using bath technology.

SPECIFICATION Content	Unit	SPEC	Value	Methods of analysis
Concentration	g/kg	350 - 357	356	AM 7157
Density (20°C)	kg/m ³	1131 - 1134	1131	Densitometer calibrated by KMnO ₄ titration
Stability (1h, 96°C) or Stability (16h, 96°C)	g/kg * h %	max. 3 max. 5	2.9 4.8	Gas production method AM 7161
Acidity	mmol/l	max. 5	5	AM 7159
Phosphate (as PO ₄ 3-)	mg/kg	max. 50	19.73	Ionic chromatography
Chloride	mg/kg	max. 1	1	IC
Conductivity	µS/cm	min. 50	51	IEC 60746-3
Non volatile matter (at 105°C)	mg/kg	max. 60	12	Gravimetry

PHYSICOCHEMICAL PROPERTIES

INTEROX® AG-Bath-35S is an aqueous solution of hydrogen peroxide. It's a clear, colourless liquid, with a pungent odour, miscible with water in all proportions.

Characteristic	Unit	Value
Volume of 1 ton of product (20°C)	m ³	0.883 +/- 0.001
Boiling point at 101.3 kPa	°C	107.4
Freezing point	°C	- 33
Viscosity at 20 °C	mPa.s	1.1 +/- 0.01

IDENTIFICATION

Hydrogen peroxide	H2O2
Molecular weight	34
CAS number	7722-84-1
CE (EINECS) number	231-765-0