



INTEROX[®]

Electronic Grade Hydrogen Peroxide



ELECTRONIC
WET CHEMICALS



H₂O₂ Hydrogen Peroxide

Electronic Grade



ELECTRONIC
WET CHEMICALS



European Standard Sales Specification

Solvay INTEROX® Electronic Grade Hydrogen Peroxide is manufactured in Bernburg, Germany. It is tailored to the needs of the electronic industry with a focus on the wet processing steps in the manufacture of semiconductor wafers.

SEMI reference		Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
Parameter		EG-ST*	EG-10	EG-1	Pico	PicoPlus
Assay	% by weight	30 – 60	30 – 32	30 – 32	30 – 32	30 – 32
Free acid	mg/kg (ppm)	0.6 – 40	–	–	–	–
Stability	g/kg*h	–	4	4	4	4
TOC	mg/kg (ppm)	3 – 30	10	10	10	10
Chloride (Cl)	µg/kg (ppb)	200 – 1,000	200	200	30	30
Nitrate (NO ₃)		500 – 3,000	400	400	30	30
Sulfate (SO ₄)		200 – 1,000	200	200	30	30
Phosphate (PO ₄)		200 – 5,000	200	200	30	30
Aluminium (Al)	µg/kg (ppb)	10 – 100	10	1	0.1	0.01
Antimony (Sb)		10 – 100	10	1	0.1	0.01
Arsenic (As)		10 – 100	10	1	0.1	0.01
Barium (Ba)		–	10	1	0.1	0.01
Boron (B)		10 – 100	10	1	0.1	0.01
Cadmium (Cd)		–	10	1	0.1	0.01
Calcium (Ca)		10 – 100	10	1	0.1	0.01
Chromium (Cr)		10 – 100	10	1	0.1	0.01
Copper (Cu)		10 – 100	10	1	0.1	0.01
Iron (Fe)		10 – 100	10	1	0.1	0.01
Lead (Pb)		10 – 100	10	1	0.1	0.01
Lithium (Li)		–	10	1	0.1	0.01
Magnesium (Mg)		10 – 100	10	1	0.1	0.01
Manganese (Mn)		10 – 100	10	1	0.1	0.01
Nickel (Ni)		10 – 100	10	1	0.1	0.01
Potassium (K)		10 – 100	10	1	0.1	0.01
Sodium (Na)		100 – 2,000	10	1	0.1	0.01
Tin (Sn)		10 – 100	10	1	0.1	0.01
Titanium (Ti)		10 – 100	10	1	0.1	0.01
Vanadium (V)		–	10	1	0.1	0.01
Zinc (Zn)		10 – 100	10	1	0.1	0.01

*EG-ST range includes stabilized as well as non-stabilized grades.

Solvay offers state of the art particle measurement as per customer specification.

Storage

Solvay INTEROX® Electronic Grade Hydrogen Peroxide is delivered in 20 m³ bulk containers, IBCs or drums.

Further information

Please consult our MSDS for further information on storage, transport, and safe handling. Please visit www.solvaywetchemicals.com or contact your local supplier.

Version 3, 24. Nov. 2016

H₂O₂ Hydrogen Peroxide Packaging

		INTEROX® EG-ST	INTEROX® EG-10	INTEROX® EG-1	INTEROX® Pico	INTEROX® PicoPlus
		30 – 59 %	30 – 32 %	30 – 32 %	30 – 32 %	30 – 32 %
200 l Drum 210 kg Mauser w or w/o dip tubes	PE Pallet 2 drums	upon request	✓			
200 l Drum 210 kg Rikutec w or w/o dip tubes	PE Pallet 2 drums	upon request	✓	✓	✓	✓
1,000 l IBC 1,100 kg Mauser w or w/o dip tubes		upon request	✓			
1,000 l IBC 1,100 kg Rikutec w or w/o dip tubes		upon request	✓	✓	✓	✓
ISO TC 20 m ³ Polymer lined				✓	✓	✓
ISO TC 20 m ³ Passivated steel		upon request				

H₂O₂ Packaging Data Drums



INTEROX® EG-10

PE Drum Mauser

Height	945 mm
Diameter	578 mm
Filling volume	200 liter
Tare weight	14 kg



INTEROX® EG-10 / INTEROX® EG-1 INTEROX® Pico / INTEROX® PicoPlus

PE Drum Rikutec

Height	955 mm
Diameter	581 mm
Filling volume	200 liter
Tare weight	16.5 kg

Pallets Packaging



Two PE Drums 200 l Mauser

Filling volume	2 x 200 liter
Pallet	1,200 x 800 mm



Two PE Drums 200 l Rikutec

Filling volume	2 x 200 liter
Pallet	1,200 x 800 mm

H₂O₂ Packaging Data IBC/ISO Tank



INTEROX® EG-10

IBC Single Walled Mauser

Height	1,200 mm
Width	1,000 mm
Depth	1,151 mm
Filling volume	1,000 liter
Tare weight	65 kg



INTEROX® EG-10 / INTEROX® EG-1
INTEROX® Pico / INTEROX® PicoPlus

IBC Double Walled Rikutec

Height	1,200 mm
Width	1,000 mm
Depth	1,165 mm
Filling volume	1,000 liter
Tare weight	95 kg



INTEROX® EG-1 / INTEROX® Pico
INTEROX® PicoPlus

ISO Tank
Lined with PTFE

Filling volume	20,000 liter
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Progress beyond

www.solvay.com
www.solvaywetchemicals.com

Europe

Solvay Fluor GmbH
Postfach 220
30002 Hannover, Germany
Telephone: +49 511 857-0

North America

Solvay Fluorides, LLC
3737 Buffalo Speedway,
Suite 800,
Houston, TX 77098, USA
Telephone: +1 713 525-6000

Asia/Pacific

Solvay Taiwan
No. 89, Song Ren Road,
Xinyi District, 11073
Taipei City, Taiwan
Telephone: +886 2 87583647

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