

Brightchem Hydrogen Peroxide (H₂O₂)

**VARIOUS GRADES AND
PACKAGING AVAILABLE**

BENEFITS

- Efficient logistics and supply
- Guarantees for a range of specifications for trace metals by in-house ICP-MS
- Multiple container sizes (25 L , 200 L , 1000 L)
- Container equipped with dip tube from AS Dusemund /CPC or other brand recommend by customer for closed system dispensing
- Own transport . Efficient logistics and supply

OVERVIEW

Electronic Grade Hydrogen Peroxide is the simplest peroxide, a strong oxidizer that appears as a clear and slightly viscous liquid. Its oxidizing properties are so strong that it is considered a highly reactive oxygen species. Due to it being a weak acid, it can form thermally unstable hydroperoxides. One of its biggest uses of electronic grade hydrogen peroxide is for the microetch roughening of copper surfaces during printed circuit board manufacturing.

Electronic Grade Hydrogen Peroxide is also widely used in semiconductor and solar industries as cleaning agent for the removal of organic matter,

Specification	Units	Typical spec Guidelines	
		EL	VLSI
Assay (wt %)	wt %	25 ± 1 , 30 ± 1 , 35 ± 1	
Color	APHA	< 10	< 10
Bromide	ppm	< 1	< 0.5
Free Chlorine	ppm	< 1	< 0.5
Phosphate	ppb	< 1000	< 500
Sulfate	ppb	< 1000	< 500
Sulfite	ppb	< 1000	< 500
Aluminum	ppb	< 50	< 50
Antimony	ppb	< 50	< 50
Arsenic	ppb	< 10	< 10
Barium	ppb	< 50	< 50
Beryllium	ppb	< 100	< 50
Bismuth	ppb	< 100	< 50
Boron	ppb	< 100	< 50
Cadmium	ppb	< 100	< 50
Calcium	ppb	< 100	< 50
Chromium	ppb	< 100	< 50
Cobalt	ppb	< 100	< 50
Copper	ppb	< 100	< 50
Gallium	ppb	< 100	< 50
Germanium	ppb	< 100	< 50
Gold	ppb	< 100	< 50
Iron	ppb	< 100	< 50
Lead	ppb	< 100	< 50
Lithium	ppb	< 100	< 50
Magnesium	ppb	< 100	< 50
Manganese	ppb	< 100	< 50
Molybdenum	ppb	< 100	< 50
Nickel	ppb	< 100	< 50
Niobium	ppb	< 100	< 50
Potassium	ppb	< 100	< 50
Silver	ppb	< 100	< 50
Sodium	ppb	< 500	< 100
Strontium	ppb	< 100	< 50
Tantalum	ppb	< 100	< 50
Thallium	ppb	< 100	< 50
Tin	ppb	< 100	< 50
Titanium	ppb	< 100	< 50
Vanadium	ppb	< 100	< 50
Zinc	ppb	< 100	< 50
Zirconium	ppb	< 100	< 50

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