

Brightchem Sulphuric Acid (H₂SO₄)

**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 Sulfuric Acid is a highly pure form of sulfuric acid used primarily in the semiconductor industry for cleaning and etching silicon wafers. The necessity of electronic grade sulfuric acid stems from its critical role in microelectronics manufacturing, where it ensures the precision and quality needed for advanced technological products. Its applications extend to cleaning substrates, etching processes, and serving as a reagent in various chemical reactions within semiconductor fabrication.

Specification	Units	Typical spec Guidelines		
		EL	VLSI	ULSI
Assay (wt %)	wt %	96-97 %	96-97 %	96-97 %
Color	APHA	< 10	< 10	< 10
Bromide	ppm	< 1	< 0.5	< 0.5
Chloride	ppm	< 1	< 0.5	< 0.5
Phosphate	ppb	< 1000	< 500	< 500
Sulfate	ppb	< 1000	< 500	< 500
Sulfite	ppb	< 1000	< 500	< 500
Aluminum	ppb	< 50	< 50	< 10
Antimony	ppb	< 50	< 50	< 10
Arsenic	ppb	< 10	< 10	< 10
Barium	ppb	< 50	< 50	< 10
Beryllium	ppb	< 100	< 50	< 10
Bismuth	ppb	< 100	< 50	< 10
Boron	ppb	< 100	< 50	< 10
Cadmium	ppb	< 100	< 50	< 10
Calcium	ppb	< 100	< 50	< 10
Chromium	ppb	< 100	< 50	< 10
Cobalt	ppb	< 100	< 50	< 10
Copper	ppb	< 100	< 50	< 10
Gallium	ppb	< 100	< 50	< 10
Germanium	ppb	< 100	< 50	< 10
Gold	ppb	< 100	< 50	< 10
Iron	ppb	< 100	< 50	< 30
Lead	ppb	< 100	< 50	< 10
Lithium	ppb	< 100	< 50	< 10
Magnesium	ppb	< 100	< 50	< 10
Manganese	ppb	< 100	< 50	< 10
Molybdenum	ppb	< 100	< 50	< 10
Nickel	ppb	< 100	< 50	< 10
Niobium	ppb	< 100	< 50	< 10
Potassium	ppb	< 100	< 50	< 10
Silver	ppb	< 100	< 50	< 10
Sodium	ppb	< 300	< 50	< 10
Strontium	ppb	< 100	< 50	< 10
Tantalum	ppb	< 100	< 50	< 10
Thallium	ppb	< 100	< 50	< 10
Tin	ppb	< 100	< 50	< 10
Titanium	ppb	< 100	< 50	< 10
Vanadium	ppb	< 100	< 50	< 10
Zinc	ppb	< 100	< 50	< 10
Zirconium	ppb	< 100	< 50	< 10

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