

Sulfuric Acid – Merchant Grade Technical Datasheet Australia

Uses

The main applications for sulfuric acid include leaching of ores, pickling, automotive batteries, fertilizers and other chemicals.

Chemical specification

Chemical analysis Guaranteed analysis	Unit	Hobart: - 98-99% Merchant Grade	Port Pirie - min. 98% Merchant Grade
Fe	w ppm	< 20	< 20
As	w ppm	< 3	< 3
Sb	w ppm	< 1	< 1
Se	w ppm	< 1	< 1
Cu	w ppm	< 10	< 10
Pb	w ppm	< 3	< 3
Hg	w ppm	< 3	< 3
Cd	w ppm	< 2	< 2
Mn	w ppm	< 1	< 1
Cl	w ppm	< 5	< 5
Zn	w ppm	n/a	n/a
SO ₂	w ppm	< 100	< 100
R.O.I.	w ppm	< 500	< 500
N (as NO plus NO ₂)	w ppm	< 30	< 30
N (as ammoniacal N)	w ppm	< 30	n/a
Appearance		Clear-slightly cloudy, dense, liquid.	Clear-slightly cloudy, dense, liquid.
Freight			
		Truck Vessel	Truck Vessel

Physical data

Physical property	Unit	Value
Density (at 15°C)	kg/dm ³	1840
Melting temperature	°C	-7°C
Crystallization range	°C	-18 to -10
Solidification range	°C	-46° to -36°
Boiling temperature	°C	310