

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	%	< 20	< 50
As	w ppm	< 3	< 3
Sb	w ppm	< 1	n/a
Se	w ppm	< 1	n/a
Cu	w ppm	< 10	n/a
Pb	w ppm	< 3	< 3
Hg	w ppm	< 3	< 15
Cd	w ppm	< 2	< 1
Mn	w ppm	< 1	n/a
Cl	w ppm	< 5	n/a
Zn	w ppm	n/a	< 10
SO ₂	w ppm	< 100	n/a
R.O.I.	w ppm	< 500	n/a
N (as NO plus NO ₂)	w ppm	< 30	n/a
N (as ammoniacal N)	w ppm	< 30	n/a
Appearance		Clear-slightly cloudy, dense, oily liquid.	Dark brown-black, dense, oily liquid
Freight			
		Truck Barge	Truck Barge

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