

# Sulfuric Acid – Merchant Grade Technical Datasheet Europe

## 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	Auby plant Merchant Grade Acid	Balen plant Merchant Grade Acid	Budel plant Merchant Grade Acid
H <sub>2</sub> SO <sub>4</sub>	%	96 ± 0,5	96 ± 0,5	96 ± 0,5
Fe	w ppm	≤ 20,0	≤ 20,0	≤ 20,0
Pb	w ppm	≤ 0,5	≤ 0,5	≤ 0,5
Cl	w ppm	≤ 5,0	≤ 5,0	≤ 5,0
Cu	w ppm	≤ 0,5	≤ 0,5	≤ 0,2
Zn	w ppm	≤ 1	≤ 1	≤ 0,3
Cd	w ppm	≤ 0,2	≤ 0,2	≤ 0,2
As	w ppm	≤ 0,1	≤ 0,1	≤ 0,03
Hg	w ppm	≤ 1	≤ 1	≤ 1
NNOX (=NO <sub>2</sub> +NO <sub>3</sub> )	w ppm	≤ 10	≤ 20	≤ 14
SO <sub>2</sub>	w ppm	≤ 20	≤ 20	≤ 20
Se	w ppm	≤ 5,0	≤ 5,0	≤ 0,1
Ni	w ppm	≤ 1,0	≤ 1,0	≤ 0,2
Cr	w ppm	≤ 0,4	≤ 0,4	≤ 0,4
F	w ppm	≤ 2	≤ 2	≤ 2
Color	Hazen	≤ 40	≤ 40	≤ 40
Appearance		Clear	Clear	Clear
		Truck Barge	Truck Barge	Truck Barge Wagon

## Physical data

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