

Sulphuric Acid – Merchant Grade

Technical Datasheet Europe

Uses

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

Characteristics

Chemical analysis (in ppm) guaranteed	Auby		Budel	Balen
	98% - Summer 98.0-98.7% - Winter 97.0-97.7%	96% - Summer & Winter: 95.5-96.5%	- Summer: 96.0-96.5% - Winter: 95.5-96.0%	- Summer: 97.5-99.0% - Winter: 95.0-97.0%
	Merchant Grade Acid		Merchant Grade Acid	Merchant Grade Acid
Fe	≤ 20		≤ 20	≤ 20
Pb	≤ 1		≤ 0,5	≤ 1
Cl	≤ 5		≤ 5	≤ 5
Cu	≤ 0,5		≤ 0,2	≤ 0,5
Zn	< 1		< 0,3	≤ 1,5
Cd	< 0,2		< 0,05	≤ 0,2
As	< 0,1		< 0,03	≤ 0,5
Hg	< 1		< 1	≤ 1
N _{NOX}	< 10		≤ 14	≤ 20
SO ₂	< 50		≤ 20	≤ 40
Se	-		≤ 0,1	< 20
Ni	-		≤ 0,2	-
Cr	-		≤ 0,4	-
Appearance	Water clear		Water clear	Water clear
Typical analysis (in ppm) (reference 2008)	Merchant Grade Acid		Merchant Grade Acid	Merchant Grade Acid
Fe	6		6,96	2,5
Pb	0,1		0,03	0,05
Cl	1		1	0,83
Cu	0,07		0,02	0,04
Zn	0,3		0,08	0,3
Cd	0,05		0,01	0,02
As	0,05		0,02	0,02
Hg	0,36		0,31	0,65
N _{NOX}	5		-	1,8
SO ₂	6		5	5
Se	-		0,05	-
Ni	-		0,1	-
Cr	-		0,2	-
	Truck Barge		Truck Barge Wagon	Truck Barge
Physical data				
Density (kg/m ³ at 15°C)			1840	
Melting temperature			-7°C	
Crystallization range			-18°C to -10°C	
Solidification range			-46°C to -36°C	
Boiling temperature			310°C	