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Technical Data Sheet

Version No.: 1
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Type

Sulphuric(VI) acid

Applications

By titanium dioxide production sulphuric acid is needed as an inlet raw material. Sulphuric acid is produced for internal use and for the market.

Technical data parameter

Concentrated Sulphuric acid

Characteristic	Value of characteristic	Control method
H_2SO_4 (%)	min. 95	Potentiometric titration / Oscillating U-tube
Fe (mg/l)	max. 75	ICP-OES
Residue of Ignition (mg/l)	max. 550	Gravimetry
Permanganate index $KMnO_4$ (mg/l)	max. 80	Volumetric analysis

Diluted Sulphuric acid

Characteristic	Value of characteristic	Control method
H_2SO_4 (%)	35 ± 5	Potentiometric titration / Oscillating U-tube
Fe (mg/l)	max. 25	ICP-OES
Residue of Ignition (mg/l)	max. 175	Gravimetry
Permanganate index $KMnO_4$ (mg/l)	max. 40	Volumetric analysis

Packaging

Sulphuric acid is supplied in road tankers with a net load of up to 27 t.