

# Technical Specification

**PRODUCT : Sulfuric acid 93-98% RS - Superpure - For trace analysis at ppb level**

**CODE : 410400**

**MOLECULAR WEIGHT :98,08**

**CAS N° : 7664-93-9**

**FORMULA : H2SO4**

TEST	U.M.	SPECIFICATION
Assay (H2SO4)	% (w/w)	93 - 98
Colour	APHA	<= 10
Chloride	ppm	<= 0.7
Nitrate	ppm	<= 0.2
Total phosphorus	ppm	<= 0.05
Subs. reducing KMnO4	ppm	<= 20
Al	ppb	<= 1
Sb	ppb	<= 1
As	ppb	<= 0.5
Ba	ppb	<= 0.1
Be	ppb	<= 0.1
Bi	ppb	<= 0.1
Cd	ppb	<= 0.5
Ca	ppb	<= 1
at 250 nm	AU	
Cs	ppb	<= 0.1
Cr	ppb	<= 0.5
Co	ppb	<= 0.5
Cu	ppb	<= 0.5
Dy	ppb	<= 0.1
Er	ppb	<= 0.1
Eu	ppb	<= 0.1
Gd	ppb	<= 0.1
Ga	ppb	<= 0.1
Ge	ppb	<= 1
Au	ppb	<= 0.5
Hf	ppb	<= 0.1
Ho	ppb	<= 0.1
In	ppb	<= 0.1
Fe	ppb	<= 1
La	ppb	<= 0.1
Pb	ppb	<= 0.1
Li	ppb	<= 0.5
Lu	ppb	<= 0.1
Mg	ppb	<= 1
Mn	ppb	<= 0.5
Hg	ppb	<= 0.1
Mo	ppb	<= 0.5
Nd	ppb	<= 0.1
Ni	ppb	<= 0.5
Nb	ppb	<= 0.1
Pd	ppb	Information only
Pt	ppb	Information only
K	ppb	<= 1
Pr	ppb	<= 0.1

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.  
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TEST	U.M.	SPECIFICATION
Rh	ppb	<= 0.5
Rb	ppb	<= 0.5
Sm	ppb	<= 0.1
Sc	ppb	<= 0.1
Se	ppb	<= 10
Ag	ppb	<= 1
Na	ppb	<= 1
Sr	ppb	<= 0.5
Ta	ppb	Information only
Te	ppb	<= 0.1
Tb	ppb	<= 0.1
Tl	ppb	<= 0.1
Th	ppb	<= 0.1
Tm	ppb	<= 0.1
Sn	ppb	<= 1
Ti	ppb	<= 1
W	ppb	<= 0.5
U	ppb	<= 0.1
V	ppb	<= 0.5
Yb	ppb	<= 0.1
Y	ppb	<= 0.1
Zn	ppb	<= 1
Zr	ppb	<= 0.5

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