

## Product specification

### Sulphuric acid high purity acid for trace analysis

<b>Code No.</b>	<b>HPA-0040- ...</b>		
<b>Lot</b>	<b>6010</b>		
<b>Expiry date</b>	<b>30.04.2018</b>		
	<small>The expiry date is based on the current knowledge and holds only for proper storage conditions in the originally closed flasks / packages.</small>		
<b>CAS-No.</b>	<b>[7664-93-9]</b>	<b>EINECS</b>	<b>2316395</b>
<b>Formula</b>	<b>H<sub>2</sub> S O<sub>4</sub></b>	<b>UN</b>	<b>1830</b>
<b>Molecular weight</b>	<b>98.08 g/mol</b>		

This lot complies with the specification mentioned below.

#### Specification

Assay	> 95 % min.	Colour (APHA)	< 10
Phosphate	< 0.5 ppm max.	Residue	< 2 ppm max.
Nitrate	< 0.07 ppm max.	Density	1,83 g/mL
Chloride	< 0.1 ppm max.		

#### Metals

Aluminium (Al)	< 0.5 ppb	Mercury (Hg)	< 1 ppb
Antimony (Sb)	< 0.1 ppb	Molybdenum (Mo)	< 0.1 ppb
Arsenic (As)	< 1 ppb	Nickel (Ni)	< 0.1 ppb
Barium (Ba)	< 0.1 ppb	Potassium (K)	< 0.5 ppb
Beryllium (Be)	< 0.1 ppb	Selenium (Se)	< 5 ppb
Bismuth (Bi)	< 0.1 ppb	Silver (Ag)	< 0.1 ppb
Cadmium (Cd)	< 0.1 ppb	Sodium (Na)	< 0.5 ppb
Calcium (Ca)	< 0.5 ppb	Strontium (Sr)	< 0.1 ppb
Chromium (Cr)	< 0.1 ppb	Thallium (Tl)	-
Cobalt (Co)	< 0.1 ppb	Thorium (Th)	< 0.1 ppb
Copper (Cu)	< 0.1 ppb	Tin (Sn)	< 0.1 ppb
Iron (Fe)	< 0.5 ppb	Titanium (Ti)	< 1 ppb
Lead (Pb)	< 0.1 ppb	Uranium (U)	< 0.1 ppb
Lithium (Li)	< 0.1 ppb	Vanadium (V)	< 0.1 ppb
Magnesium (Mg)	< 0.5 ppb	Zinc (Zn)	< 0.1 ppb
Manganese (Mn)	< 0.1 ppb	Zirconium (Zr)	< 0.1 ppb

08-02-2018

**Martin Schröder** (Labmanager)

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