

AZ0041 Sulfur flower, extra pure, Pharmpur®, Ph Eur, BP



assay (acidimetric) . . . . . 99,0 - 101,0 %  
 identification . . . . . passes test  
 appearance of solution . . . . . colourless  
 acidity or alkalinity . . . . . passes test  
 odour . . . . . passes test  
 chlorides (Cl) . . . . . max. 100 ppm  
 sulfates (SO<sub>4</sub>) . . . . . max. 100 ppm

sulfides . . . . . passes test  
 residue on ignition . . . . . max. 0,2 %  
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.  
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
AZ00410500	500 g	Ⓟ
AZ00411000	1 kg	Ⓟ
AZ0041025P	25 kg	Ⓟ

**SULFURIC ACID, 95 - 97%**

- Synonyms: Sulphuric acid
- H<sub>2</sub>SO<sub>4</sub>
- M<sub>r</sub> = 98,08 g/mol
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: 1,84 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: ~ -15 °C

- Boiling point: ~ 310 °C
- Vapour pressure: (20 °C) ~ 0,0001 hPa
- LD 50 (oral, rat): 2140 mg/kg
- EC-Index-No.: 016-020-00-8
- ADR: 8 C1 II UN 1830
- IMDG: 8 II UN 1830
- IATA/ICAO: 8 II UN 1830
- GHS-signal word: Danger

- GHS-H sentences: H314
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2807 00 00 00
- Applications: analytical chemistry, laboratory reagent, acidifying agent, synthesis of organic products, nitrogen determinations.

AC2065 Sulfuric acid, 95 - 97%, EssentQ®



assay (acidimetric) . . . . . 95 - 97 %  
 residue on ignition . . . . . max. 0,01 %

ART. NO.	VOLUME	CONTAINER
AC20651000	1 l	Ⓟ
AC20652500	2,5 l	Ⓟ

ART. NO.	VOLUME	CONTAINER
AC2065005P	5 l	Ⓟ
AC2065025P	25 l	Ⓟ

AC2066 Sulfuric acid, 95 - 98%, extra pure, Pharmpur®, Ph Eur, BP, NF, packed in HDPE bottles



assay (acidimetric) . . . . . 95,0 - 98,0 %  
 identification . . . . . passes test  
 appearance of solution . . . . . clear and colourless  
 chlorides (Cl) . . . . . max. 50 ppm  
 nitrates (NO<sub>3</sub>) . . . . . passes test  
 arsenic (As) . . . . . max. 1 ppm  
 iron (Fe) . . . . . max. 25 ppm

reducing substances . . . . . passes test  
 residue on ignition . . . . . max. 0,005 %  
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.  
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.  
 Avoid exposure to light

ART. NO.	VOLUME	CONTAINER
AC20661000	1 l	Ⓟ
AC20662500	2,5 l	Ⓟ
AC2066005P	5 l	Ⓟ
AC2066025P	25 l	Ⓟ

AC2070 Sulfuric acid, 95 - 98%, extra pure, Pharmpur®, Ph Eur, BP, NF



assay (acidimetric) . . . . . 95,0 - 98,0 %  
 identification . . . . . passes test  
 appearance of solution . . . . . clear and colourless  
 chlorides (Cl) . . . . . max. 50 ppm  
 nitrates (NO<sub>3</sub>) . . . . . passes test  
 arsenic (As) . . . . . max. 1 ppm  
 iron (Fe) . . . . . max. 25 ppm

reducing substances . . . . . passes test  
 residue on ignition . . . . . max. 0,005 %  
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.  
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.  
 Avoid exposure to light

ART. NO.	VOLUME	CONTAINER
AC20701000	1 l	Ⓟ
AC20702500	2,5 l	Ⓟ

AC2069 Sulfuric acid, 95 - 97%, ExpertQ®, for analysis, ISO



assay (acidimetric) . . . . . 95,0 - 97,0 %  
 colour (Hazen) . . . . . max. 10  
 chlorides (Cl) . . . . . max. 0,00001 %  
 nitrates and nitrites (as NO<sub>3</sub>) . . . . . max. 0,00002 %  
 phosphates (as PO<sub>4</sub>) . . . . . max. 0,00005 %  
 aluminium (Al) . . . . . max. 0,05 ppm  
 ammonium (NH<sub>4</sub>) . . . . . max. 0,0001 %  
 arsenic (As) . . . . . max. 0,01 ppm  
 barium (Ba) . . . . . max. 0,05 ppm  
 beryllium (Be) . . . . . max. 0,01 ppm  
 bismuth (Bi) . . . . . max. 0,05 ppm  
 boron (B) . . . . . max. 0,05 ppm  
 cadmium (Cd) . . . . . max. 0,01 ppm  
 calcium (Ca) . . . . . max. 0,1 ppm  
 chromium (Cr) . . . . . max. 0,02 ppm  
 cobalt (Co) . . . . . max. 0,01 ppm  
 copper (Cu) . . . . . max. 0,01 ppm  
 gallium (Ga) . . . . . max. 0,05 ppm  
 germanium (Ge) . . . . . max. 0,02 ppm  
 gold (Au) . . . . . max. 0,05 ppm  
 indium (In) . . . . . max. 0,05 ppm

iron (Fe) . . . . . max. 0,1 ppm  
 lead (Pb) . . . . . max. 0,01 ppm  
 lithium (Li) . . . . . max. 0,01 ppm  
 magnesium (Mg) . . . . . max. 0,05 ppm  
 manganese (Mn) . . . . . max. 0,01 ppm  
 molybdenum (Mo) . . . . . max. 0,02 ppm  
 nickel (Ni) . . . . . max. 0,02 ppm  
 platinum (Pt) . . . . . max. 0,1 ppm  
 potassium (K) . . . . . max. 0,1 ppm  
 silver (Ag) . . . . . max. 0,01 ppm  
 sodium (Na) . . . . . max. 0,3 ppm  
 strontium (Sr) . . . . . max. 0,01 ppm  
 thallium (Tl) . . . . . max. 0,02 ppm  
 tin (Sn) . . . . . max. 0,05 ppm  
 titanium (Ti) . . . . . max. 0,02 ppm  
 vanadium (V) . . . . . max. 0,01 ppm  
 zinc (Zn) . . . . . max. 0,05 ppm  
 zirconium (Zr) . . . . . max. 0,02 ppm  
 substances reducing KMnO<sub>4</sub> . . . . . passes test  
 residue on ignition . . . . . max. 0,0003 %

ART. NO.	VOLUME	CONTAINER
AC20691000	1 l	Ⓟ
AC20691001	1 l	Ⓟ
AC20692500	2,5 l	Ⓟ
AC20692501	2,5 l	Ⓟ