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_4) . . . . . 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_2SO_4
- M = 98,08 g/mol
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: 1,84 g/cm³
- 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_3) . . . . . .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_3) . . . . . .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_3) . . . . . .max. 0,00002 %
phosphates (as PO_4) . . . . . .max. 0,00005 %
aluminium (Al) . . . . . .max. 0,05 ppm
ammonium (NH_4) . . . . . .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 $KMnO_4$ . . . . . .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	