

SULFURIC ACID, 62%

AC2092 Sulfuric acid, solution 62% w/w, according to Röder and Van Gulik, for determination of fat in milk



- Synonyms: Sulphuric acid
- H_2SO_4
- $M = 98,08 \text{ g/mol}$
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: $1,52 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- 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, for determination of: fats in milk.

assay (acidimetric) min. 62 %
 suitability for determination of
 fat in milk passes test

ART. NO.	VOLUME	CONTAINER
AC20921000	1 l	0
AC20922500	2,5 l	0

SULFURIC ACID, 50%

AC2079 Sulfuric acid, solution 50% w/v, ExpertQ®, for analysis



- Synonyms: Sulphuric acid
- H_2SO_4
- $M = 98,08 \text{ g/mol}$
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: $1,28 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- EC-Index-No.: 016-020-00-8
- ADR: 8 C1 II UN 2796
- IMDG: 8 II UN 2796
- IATA/ICAO: 8 II UN 2796
- 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, neutralising agent.

assay (acidimetric) min. 50 %
 colour (Hazen) max. 10
 chlorides (Cl) max. 0,00001 %
 nitrates (NO₃) max. 0,00002 %
 phosphates (as PO₄) max. 0,00005 %
 aluminium (Al) max. 0,05 ppm
 ammonium (NH₄) max. 0,0002 %
 arsenic (As) max. 0,01 ppm
 barium (Ba) max. 0,05 ppm
 beryllium (Be) max. 0,01 ppm
 bismuth (Bi) max. 0,05 ppm
 cadmium (Cd) max. 0,02 ppm
 calcium (Ca) max. 0,2 ppm
 cobalt (Co) max. 0,01 ppm
 copper (Cu) max. 0,01 ppm
 germanium (Ge) max. 0,05 ppm
 iron (Fe) max. 0,1 ppm
 lead (Pb) max. 0,02 ppm
 lithium (Li) max. 0,01 ppm
 magnesium (Mg) max. 0,05 ppm

manganese (Mn) max. 0,01 ppm
 molybdenum (Mo) max. 0,05 ppm
 nickel (Ni) max. 0,02 ppm
 potassium (K) max. 0,1 ppm
 silver (Ag) max. 0,02 ppm
 sodium (Na) max. 0,5 ppm
 strontium (Sr) max. 0,02 ppm
 thallium (Tl) max. 0,05 ppm
 titanium (Ti) max. 0,1 ppm
 vanadium (V) max. 0,01 ppm
 zinc (Zn) max. 0,05 ppm
 zirconium (Zr) max. 0,1 ppm
 substances reducing KMnO₄ passes test
 residue on ignition max. 0,0005 %

ART. NO.	VOLUME	CONTAINER
AC20791000	1 l	0

SULFURIC ACID, SOLUTION 1/3 W/V

AC2074 Sulfuric acid, solution 1/3 w/v



- Synonyms: Sulphuric acid
- H_2SO_4
- $M = 98,08 \text{ g/mol}$
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: $\sim 1,2 \text{ g/cm}^3$
- Boiling point: $\sim 135 \text{ }^\circ\text{C}$
- EC-Index-No.: 016-020-00-8
- ADR: 8 C1 II UN 2796
- IMDG: 8 II UN 2796

- IATA/ICAO: 8 II UN 2796
- 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, neutralising agent.

assay (acidimetric) approx. 33,3 %
 Acid liquor for determination of sulphurous gas (SO₂)
 in wines

ART. NO.	VOLUME	CONTAINER
AC20740500	500 ml	0
AC20741000	1 l	0

SULFURIC ACID, 25%

AC2078 Sulfuric acid, solution 25% w/w, ExpertQ®, for analysis



- H_2SO_4
- $M = 98,08 \text{ g/mol}$
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: $1,18 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- Boiling point: $\sim 103 \text{ }^\circ\text{C}$
- LD 50 (oral, rat): 2140 mg/kg
- EC-Index-No.: 016-020-00-8
- ADR: 8 C1 II UN 2796
- IMDG: 8 II UN 2796
- IATA/ICAO: 8 II UN 2796
- 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, neutralising agent, for determination of: barium.

assay (acidimetric) min. 25 %
 colour (Hazen) max. 10
 chlorides (Cl) max. 0,00005 %
 nitrates (NO₃) max. 0,00002 %
 aluminium (Al) max. 0,05 ppm
 ammonium (NH₄) max. 0,0002 %
 arsenic (As) max. 0,01 ppm
 barium (Ba) max. 0,05 ppm
 beryllium (Be) max. 0,01 ppm
 bismuth (Bi) max. 0,1 ppm
 cadmium (Cd) max. 0,02 ppm
 calcium (Ca) max. 0,2 ppm
 chromium (Cr) max. 0,05 ppm
 cobalt (Co) max. 0,01 ppm
 copper (Cu) max. 0,01 ppm
 germanium (Ge) max. 0,05 ppm
 iron (Fe) max. 0,1 ppm
 lead (Pb) max. 0,02 ppm
 lithium (Li) max. 0,01 ppm
 magnesium (Mg) max. 0,05 ppm
 manganese (Mn) max. 0,01 ppm

molybdenum (Mo) max. 0,05 ppm
 nickel (Ni) max. 0,02 ppm
 potassium (K) max. 0,1 ppm
 silver (Ag) max. 0,02 ppm
 sodium (Na) max. 0,5 ppm
 strontium (Sr) max. 0,01 ppm
 thallium (Tl) max. 0,05 ppm
 titanium (Ti) max. 0,1 ppm
 vanadium (V) max. 0,01 ppm
 zinc (Zn) max. 0,1 ppm
 zirconium (Zr) max. 0,1 ppm
 substances reducing KMnO₄ passes test
 residue on ignition max. 0,0005 %

ART. NO.	VOLUME	CONTAINER
AC20781000	1 l	0