

SULFURIC ACID, 10%

AC2068 Sulfuric acid, solution 10% w/v, EssentQ®



- Synonyms: Sulphuric acid
- H_2SO_4
- $M = 98,08 \text{ g/mol}$
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: $1,06 \text{ g/cm}^3$
- 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: Warning
- GHS-H sentences: H315 - H319
- GHS-P sentences: P280 - P305 + P351 + P338 - P321 - P362 - P332 + P313 - P337 + P313
- Tariff number: 2807 00 00 00
- Applications: analytical chemistry, laboratory reagent, neutralising agent.

assay (acidimetric) approx. 10 %
 colour (Hazen) max. 10
 chlorides (Cl) max. 0,00001 %
 nitrates (NO_3) max. 0,00002 %
 phosphates (as PO_4) max. 0,00005 %
 aluminium (Al) max. 0,05 ppm
 ammonium (NH_4) max. 0,0002 %
 arsenic (As) max. 0,01 ppm
 barium (Ba) max. 0,05 ppm
 cadmium (Cd) max. 0,02 ppm
 calcium (Ca) max. 0,2 ppm
 chromium (Cr) max. 0,05 ppm
 copper (Cu) max. 0,01 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
 nickel (Ni) max. 0,02 ppm

potassium (K) max. 0,1 ppm
 silver (Ag) max. 0,02 ppm
 sodium (Na) max. 0,5 ppm
 zinc (Zn) max. 0,05 ppm
 substances reducing $KMnO_4$ passes test
 residue on ignition max. 0,0005 %

ART. NO.	VOLUME	CONTAINER
AC20681000	1 l	

SULFURIC ACID, VOLUMETRIC SOLUTIONS

AC2089 Sulfuric acid, solution 5 mol/l (10 N)



- H_2SO_4
- $M = 98,08 \text{ g/mol}$
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: $1,28 \text{ g/cm}^3$
- 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.

factor 0,999 - 1,001
 uncertainty $\pm 0,001$
 $1 \text{ ml} = 0,4904 \text{ g } H_2SO_4$
 This volumetric solution was checked by means of potentiometric methods using Scharlab's tris(hydroxymethyl)-aminomethane volumetric standard. Scharlab's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
AC20891000	1 l	

AC2075 Sulfuric acid, solution 4 mol/l (8 N), for COD determination, according to ISO 6060



- H_2SO_4
- $M = 98,08 \text{ g/mol}$
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: $\sim 1,23 \text{ g/cm}^3$
- 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.

factor 0,999 - 1,001
 uncertainty $\pm 0,001$
 $1 \text{ ml} = 0,39232 \text{ g } H_2SO_4$
 This volumetric solution was checked by means of potentiometric methods using Scharlab's tris(hydroxymethyl)-aminomethane volumetric standard. Scharlab's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
AC20751000	1 l	

AC2086 Sulfuric acid, solution 2,5 mol/l (5 N)



- H_2SO_4
- $M = 98,08 \text{ g/mol}$
- CAS [7664-93-9]
- EINECS-No.: 231-639-5
- Density: $1,15 \text{ g/cm}^3$
- Boiling point: $\sim 103 \text{ }^\circ\text{C}$
- 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.

factor 0,999 - 1,001
 uncertainty $\pm 0,001$
 $1 \text{ ml} = 0,2452 \text{ g } H_2SO_4$
 This volumetric solution was checked by means of potentiometric methods using Scharlab's tris(hydroxymethyl)-aminomethane volumetric standard. Scharlab's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
AC20861000	1 l	