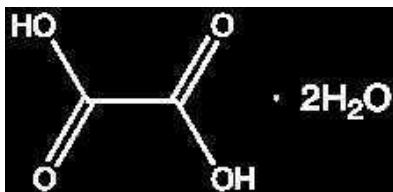


OXALIC ACID DIHYDRATE



- Synonyms: Ethanedioic acid
- $H_2C_2O_4 \cdot 2H_2O$
- $M = 126,07 \text{ g/mol}$
- CAS [6153-56-6]
- EINECS-No.: 205-634-3
- Solub. in water: (20 °C): 102 g/l
- Melting point: 101 °C
- LD 50 (oral, rat): 7500 mg/kg (anhydrous substance)

- EC-Index-No.: 607-006-00-8
- GHS-signal word: Danger
- GHS-H sentences: H302 - H312 - H318
- GHS-P sentences: P280 - P305 + P351 + P338 - P310 - P322 - P301 + P312 - P501a
- Tariff number: 2917 11 00 99
- Applications: analytical chemistry, laboratory reagent, solvents, catalyst.

AC1721 Oxalic acid dihydrate, EssentQ®



assay (permanganometric) min. 99,0 %
identity (IR-spectrum) passes test
nitrogen compounds (as N) max. 0,005 %
chlorides (Cl) max. 0,002 %
sulfates (SO₄) max. 0,02 %

heavy metals max. 0,002 %
iron (Fe) max. 0,001 %
residue on ignition max. 0,05 %

ART. NO.	VOLUME	CONTAINER
AC17210500	500 g	Ⓟ
AC17211000	1 kg	Ⓟ
AC1721005P	5 kg	Ⓟ

AC1720 Oxalic acid dihydrate, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur



assay (permanganometric) 99,5 - 102,5 %
identity (IR-spectrum) passes test
insoluble in water max. 0,005 %
chlorides (Cl) max. 5 ppm
sulfates (SO₄) max. 0,005 %
nitrogen compounds (as N) max. 0,001 %

calcium (Ca) max. 0,001 %
heavy metals max. 5 ppm
iron (Fe) max. 2 ppm
substances darkened by hot H₂SO₄ passes test
residue on ignition max. 0,01 %

ART. NO.	VOLUME	CONTAINER
AC17200250	250 g	Ⓟ
AC17200500	500 g	Ⓟ
AC17201000	1 kg	Ⓟ

OXALIC ACID, VOLUMETRIC SOLUTIONS

AC1723 Oxalic acid, solution 0,05 mol/l (0,1 N)



- $H_2C_2O_4$
- $M = 90,04 \text{ g/mol}$
- CAS [144-62-7]
- EINECS-No.: 205-634-3
- Density: 0,99 g/cm³
- LD 50 (oral, rat): 7500 mg/kg (pure substance)
- EC-Index-No.: 607-006-00-8
- Tariff number: 2917 11 00 99
- Applications: analytical chemistry, laboratory reagent.

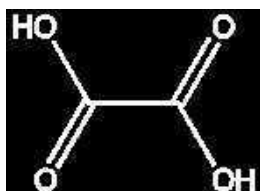
factor 0,999 - 1,001
uncertainty $\pm 0,001$

1 ml = 0,004502 g $C_2H_2O_4$

This volumetric solution was checked by means of potentiometric methods using a potassium permanganate standard solution, that was also checked against Scharlau's oxalic acid volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
AC17231000	1 l	Ⓟ

AC1725 Oxalic acid, solution 0,005 mol/l (0,01 N)



- $H_2C_2O_4$
- $M = 90,04 \text{ g/mol}$
- CAS [144-62-7]
- EINECS-No.: 205-634-3
- Density: 0,99 g/cm³
- LD 50 (oral, rat): 7500 mg/kg (pure substance)
- EC-Index-No.: 607-006-00-8
- Tariff number: 2917 11 00 99
- Applications: analytical chemistry, laboratory reagent.

factor 0,997 - 1,003
1 ml = 0,0004502 g $C_2H_2O_4$

This volumetric solution was checked by means of potentiometric methods using a potassium permanganate standard solution, that was also checked against Scharlau's oxalic acid volumetric standard. Scharlau's volumetric standards are directly traceable to the Standard Reference Materials from NIST (National Institute of Standards and Technology, USA).

ART. NO.	VOLUME	CONTAINER
AC17251000	1 l	Ⓟ