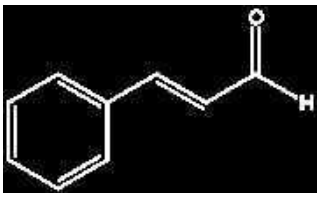
CINNAMALDEHYDE

AL0535 Cinnamaldehyde, EssentQ®

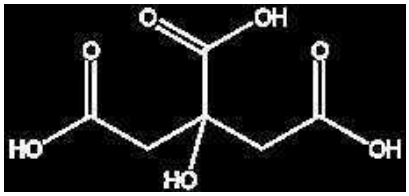


- Synonyms: trans-Cinnamic aldehyde, trans-3-Phenyl-2-propenal
- C_9H_8O
- M = 132,16 g/mol
- CAS [104-55-2]
- EINECS-No.: 203-213-9
- Density: 1,05 g/cm³
- Solub. in water: (20 °C): 1,1 g/l
- Melting point: -8 °C
- Boiling point: (21 hPa) 127 °C
- Flash pt. 138 °C
- Vapour pressure: (20 °C) < 0,1 hPa
- Refraction index: (n 20 °C/D) 1,6219
- LD 50 (oral, rat): 2220 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H312 - H315 - H317
- GHS-P sentences: P261 - P280 - P321 - P322 - P362 - P501a
- Tariff number: 2912 29 00 90
- Applications: analytical chemistry, perfumery, in food industry, synthesis of organic products.

assay (G.C.) . . . . . min. 98 %
identity (IR-spectrum) . . . . . .passes test
density (20°/4°). . . . . 1,048 - 1,051
residue on ignition . . . . . .max. 0,01 %

ART. NO.	VOLUME	CONTAINER
AL05350250	250 ml	
AL05351000	1 l	

CITRIC ACID ANHYDROUS



- Synonyms: 2-Hydroxy-1,2,3-propanetricarboxylic acid, b-Hydroxy tricarboxilic acid
- $C_6H_8O_7$
- M = 192,13 g/mol
- CAS [77-92-9]
- EINECS-No.: 201-069-1
- Solub. in water: (20 °C): soluble
- Melting point: ~ 153 °C (decomposes)
- Ignition temp.: 345 °C
- Vapour pressure: (20 °C) < 0,1 hPa
- LD 50 (oral, rat): 3000 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2918 14 00 00
- Applications: acidifying agent, analytical chemistry, laboratory reagent, in food industry, antioxidant.

AC0718 Citric acid anhydrous, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (acidimetric, referred to dried sample). . . . . 99,5 - 100,5 %
identification . . . . . .passes test
appearance of solution . . . . . .passes test
clarity of solution . . . . . .passes test
colour of solution. . . . . .passes test
oxalic acid ($C_2H_2O_4$) . . . . . .max. 0,036 %
sulfates (SO_4) . . . . . max. 150 ppm
readily carbonizable substances . . . . . .passes test
residue on ignition . . . . . .max. 0,1 %
water (K.F.). . . . . .max. 1,0 %
Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
Residual solvents are analysed according to guideline CPMP/ICH/283/95.

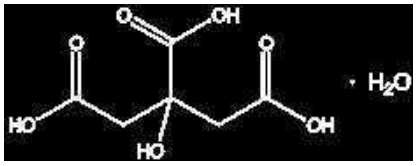
ART. NO.	VOLUME	CONTAINER
AC07180500	500 g	
AC07181000	1 kg	
AC0718005P	5 kg	
AC0718025P	25 kg	

AC0719 Citric acid anhydrous, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (acidimetric) . . . . . min. 99,5 %
assay (acidimetric, referred to dried sample). . . . . 99,5 - 100,5 %
identity (IR-spectrum) . . . . . .passes test
appearance of solution . . . . . .passes test
insoluble in water. . . . . .max. 0,005 %
chlorides (Cl) . . . . . .max. 0,001 %
oxalates (C_2O_4). . . . . .passes test
phosphates (as PO_4) . . . . . .max. 0,001 %
sulfates (SO_4) . . . . . max. 150 ppm
iron (Fe) . . . . . max. 3 ppm
lead (Pb). . . . . max. 2 ppm
readily carbonizable substances . . . . . .passes test
sulphur compounds (as SO_4). . . . . .max. 0,002 %
residue on ignition . . . . . .max. 0,02 %
water (K.F.). . . . . .max. 1,0 %

ART. NO.	VOLUME	CONTAINER
AC07190500	500 g	
AC07191000	1 kg	
AC0719005P	5 kg	
AC0719025P	25 kg	

CITRIC ACID MONOHYDRATE



- Synonyms: 2-Hydroxy-1,2,3-propanetricarboxylic acid monohydrate, b-Hydroxytricarballylic acid monohydrate
- $C_6H_8O_7 \cdot H_2O$
- M = 210,14 g/mol
- CAS [5949-29-1]
- EINECS-No.: 201-069-1
- Solub. in water: (20 °C): very soluble in water
- Melting point: 135 - 152 °C
- Boiling point: 135 - 152 °C (decomposes)
- Ignition temp.: 345°C
- Vapour pressure: (20 °C) < 0,1 hPa
- LD 50 (oral, rat): 3000 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2918 14 00 00
- Applications: analytical chemistry, laboratory reagent, in buffer solutions.