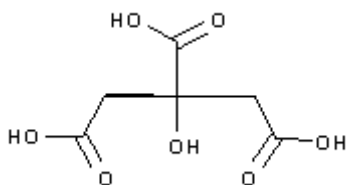
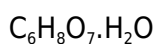




PRODUCT CODE: 131018

Citric Acid 1-hydrate for analysis, ACS, ISO



M. = 210,14

CAS [5949-29-1]

EINECS 201-069-1

TARIC 2918 14 00 00

SYNONYMS: 2-Hydroxy-1,2,3-Propanetricarboxylic Acid

PHYSICAL DATA: Small crystals, in water at 20°C D 1,542 • M.P.: 135 °C • pH(50g/l)1,8 •

BIBLIOGRAPHY: Merck Index **13**, 2.350 Safety **2** , **892 D** • Römpp **8** , **879** • Beilstein **3** , **556 IV** , **1272** • BRN 4018641 • ACS **XI** • ISO 6353/2-1983 R - 8 , 10 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: GE 7810000 • LD50 ipr rat 375 mg/kg



H: H319 •

P: P264 • P280 • P305+P351+P338 • P337+P313 •

SPECIFICATIONS:

Assay (Acidim.)

99,5-102,0%

Identity :
Identity

IR passes test

Maximum limit of impurities

Insoluble matter in H2O	0,005 %
Darkened substances by H2SO4	passes test
Residue on ignition (as SO4)	0,02 %
Chloride (Cl)	0,0005%
Sulfur compounds (as SO4)	0,002 %
Phosphate (PO4)	0,001 %
Oxalate (C2O4)	0,05%
As	0,00001%
Heavy metals (as Pb)	0,0005%

Metals by ICP [in mg/Kg (ppm)]

Al	2
Au	2
B	2
Ba	2
Be	2
Ca	20
Cd	2
Co	2
Cr	2
Cu	0,5
Fe	3
Ge	2
In	2
K	50
Mg	5
Mn	2
Mo	2
Na	50
Ni	2
Pb	2
Pt	2
Sb	2
Si	10
Sn	5
Sr	2
Ti	2
Tl	2
V	2
Zn	2
Zr	2