PanReac AppliChem ITW Reagents

PRODUCT CODE: 131808

Citric Acid anhydrous (Reag. USP) for analysis, ACS

$C_6H_8O_7$

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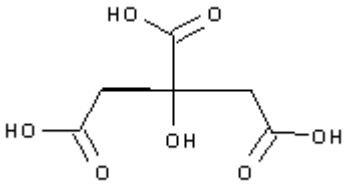

M.= 192,13 CAS [77-92-9] EINECS 201-069-1

TARIC 2918 14 00 00

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

PHYSICAL DATA: Small crystals, White, Soluble in water 622 g/l at 20 °C D 1,665 • M.P.: 153 °C • pH(100g/l)1,7 •

BIBLIOGRAPHY: Merck Index **13,** 2.350 Sax **CMS**750 • Safety **2 , 892 B** • Ullmann **(5.)**7 , 103 • Beilstein **3 , 556 I , 194 II , 359 III ,1091 IV, 1272** • BRN 782061 • ACS **XI** • BP**.2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **12** • BOE **243**(8-10-2009) • Regulation (EU) nº 231/2012 •

HAZARDOUS: RTECS: GE 7350000 • LD L0 rbt 7g/Kg • LD50 oral mus 5.040 mg/kg • LD50 ipr mus 903 mg/kg

H: H319 •
P: P264 • P280 • P305+P351+P338 • P337+P313 •

SPECIFICATIONS:

Minimum assay (Acidim.)	99,5%
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)	0,001%
Sulfur compounds (as SO4)	0,002 %
Phosphate (PO4)	0,001 %
Oxalate (C2O4)	0,005%
Water (H2O)	0,5 %
Heavy metals (as Pb)	0,0005%
As	0,00001 %
Ba	0,001 %
Ca	0,0025 %
Cu	0,00005 %
Fe	0,0001 %
Mg	0,0005 %
Ni	0,0002 %
Pb	0,0002 %
Zn	0,0005 %