



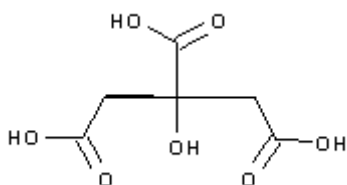
**PRODUCT CODE: 201808**

**Citric Acid anhydrous (E-330, F.C.C.) food grade**

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$C_6H_8O_7$

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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 **CMS750** • Safety **2** , **892 B** • Ullmann **(5.)**7 , 103 • Beilstein **3** , **556 I** , **194 II** , **359 III** ,**1091 IV**, **1272** • BRN 782061 • ACS **XI** • 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 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:**

|   |             |
|---|-------------|
| Assay (as C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> ) (calc. a.a.s)    | 99,5-100,5% |
| Identity :  |             |
| Identity Citrate  | passes test |
| ABS   |             |
| Easily carbon. subst. at $\lambda$ 470 nm , not more than                 | 0,52        |
| Polynuc. Hydroc. at $\lambda$ 280 a 289 nm , not more than                | 0,25        |
| Polynuc. Hydroc. at $\lambda$ 290 a 299 nm , not more than                | 0,20        |
| Polynuc. Hydroc. at $\lambda$ 300 a 359 nm , not more than                | 0,13        |
| Polynuc. Hydroc. at $\lambda$ 360 a 400 nm , not more than                | 0,03        |
| Appearance  | passes test |
| Residue on ignition , not more than                                       | 0,05 %      |
| Oxalate (as H <sub>2</sub> C <sub>2</sub> O <sub>4</sub> ), not more than | 100 ppm     |
| Easily carbonizable substances  | passes test |
| Tridodecylamine, not more than  | 0,1 ppm     |
| Arsenic (as As), not more than  | 1 ppm       |
| Mercury (Hg), not more than   | 1 ppm       |
| Lead, not more than   | 0,5 ppm     |
| Water , not more than   | 0,5 %       |
| Heavy metals (as Pb) , not more than                                      | 5 ppm       |

**Specifications Regulation (UE) nº 231/2012, F.C.C. 11, R.D. 1466/2009**

**For use in foodstuffs according to Regulation (EC) nº 1333/2008 and F.C.C.**

Ed.: 8 . Vig.: 15.01.2011 .

Prod.: 201808