

## COFCO BIOCHEMICAL (THAILAND) CO.,LTD

Office Bangkok: 184/8, 11th Floor, Building Forum Tower, Ratchadaphisek Rd, Huai Khwang, Bangkok, Thailand, 10310  
 TEL: 66(0)26454051 FAX: 66(0)2 6454050  
 Factory Rayong: 263 Moo 11 T.Nongbua A.Bankhai Rayong, Thailand, 21120  
 TEL: 66(0) 33 017212 FAX: 66(0) 33 017214

**PRODUCT NAME: CITRIC ACID ANHYDROUS**

**CAS # 77-92-9**

| NO | ITEM                               | UNIT  | STANDARD DATA                                   |
|----|------------------------------------|-------|-------------------------------------------------|
| 1  | DESCRIPTION                        | -     | COLOURLESS CRYSTALS OR WHITE CRYSTALLINE POWDER |
| 2  | IDENTIFICATION                     | -     | PASS TEST                                       |
| 3  | CLARITY & COLOR OF SOLUTION        | -     | PASS TEST                                       |
| 4  | BARIUM                             | -     | PASS TEST                                       |
| 5  | ASSAY                              | %     | 99.5 – 100.5                                    |
| 6  | MOISTURE                           | %     | ≤ 0.3                                           |
| 7  | CALCIUM                            | mg/kg | ≤ 100                                           |
| 8  | IRON                               | mg/kg | ≤ 5                                             |
| 9  | ARSENIC                            | mg/kg | ≤ 1                                             |
| 10 | OXALATE                            | mg/kg | ≤ 100                                           |
| 11 | HEAVY METALS (as Pb)               | mg/kg | ≤ 5                                             |
| 12 | READILY CARBONISABLE SUBSTANCES    | -     | PASS TEST                                       |
| 13 | SULPHATE                           | mg/kg | ≤ 150                                           |
| 14 | SULPHATED ASH/ RESIDUE ON IGNITION | %     | ≤ 0.05                                          |
| 15 | CHLORIDE                           | mg/kg | ≤ 50                                            |
| 16 | BACTERIAL ENDOTOXINS               | IU/mg | ≤ 0.5                                           |
| 17 | NICKEL                             | mg/kg | ≤ 1                                             |
| 18 | COBALT                             | mg/kg | ≤ 1                                             |
| 19 | MERCURY                            | mg/kg | ≤ 0.5                                           |
| 20 | LEAD                               | mg/kg | ≤ 0.5                                           |
| 21 | CHROMIUM                           | mg/kg | ≤ 1                                             |
| 22 | ALUMINIUM                          | mg/kg | ≤ 0.2                                           |
| 23 | GMO STATUS                         | -     | Non GMO                                         |
| 24 | MESH SIZE                          | MESH  | 30-80 / 12-40                                   |

The product meets the specification of USP45/BP2023/FCC13/E330/EP10 requirements.

Titichaya

16/01/2024

