

# 一水柠檬酸 CITRIC ACID MONOHYDRATE

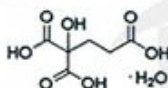
## 质量标准 TECHNICAL SPECIFICATION

| ITEM 项目  | BP                                       | E330                             | USP                              | FCC                       | EP                               | JSFA                             | GB   | TTCA   |
|--|--|----------------------------------|----------------------------------|---------------------------|----------------------------------|----------------------------------|--|--|
| CHARACTERISTICS 性状                             | COLORLESS OR WHITE CRYSTAL 无色或白色结晶状粉末或颗粒 |                                  |                                  |                           |                                  |                                  |  |  |
| IDENTIFICATION 鉴别                              | PASS TEST 符合实验                           |                                  |                                  |                           |                                  |                                  |  |  |
| LIGHT TRANSMITTANCE 透光率                        | /  | /                                | /                                | /                         | /                                | /                                | ≥95%   | ≥97.0%   |
| CLARITY & COLOUR OF SOLUTION 溶液澄清度和色泽          | PASS TEST 符合实验                           | /                                | PASS TEST 符合实验                   | /                         | /                                | /                                | /  | PASS TEST 符合实验   |
| ASSAY 含量                                       | 99.5-100.5%                              | ≥99.50%                          | 99.5-100.5%                      | 99.5-100.5%               | 99.5-100.5%                      | ≥99.50%                          | 99.5-100.5%  | 99.5-100.5%  |
| WATER 水分                                       | 7.5-9.0%                                 | ≤8.8%                            | 7.5-9.0%                         | ≤8.8%                     | 7.5-9.0%                         | ≤8.8%                            | 7.5-9.0%   | 7.5-8.8%   |
| SULPHATED ASH (RESIDUE ON IGNITION) 硫酸灰分(灼烧残渣) | ≤0.1%                                    | ≤0.05%                           | ≤0.1%                            | ≤0.05%                    | ≤0.1%                            | ≤0.1%                            | ≤0.05%   | ≤0.05%   |
| SULPHATE 硫酸盐                                   | ≤150ppm                                  | /                                | ≤150ppm                          | /                         | PASS TEST 符合实验                   | ≤480ppm                          | ≤150ppm  | ≤20ppm   |
| OXALATE 草酸盐                                    | ≤360ppm                                  | ≤100ppm                          | ≤360ppm                          | NO TURBIDITY FORMS 没有浑浊产生 | ≤360ppm                          | PASS TEST 符合实验                   | ≤100ppm  | ≤20ppm   |
| CALCIUM 钙盐                                     | /  | /                                | /                                | /                         | /                                | PASS TEST 符合实验                   | ≤200ppm  | ≤20ppm   |
| HEAVY METALS 重金属                               | ≤10ppm                                   | ≤5ppm                            | ≤10ppm                           | /                         | ≤10ppm                           | ≤10ppm                           | /  | ≤1ppm  |
| IRON 铁   | /  | /                                | /                                | /                         | /                                | /                                | ≤5ppm  | ≤1ppm  |
| CHLORIDE 氯化物                                   | /  | /                                | /                                | /                         | /                                | /                                | ≤50ppm   | ≤5ppm  |
| READILY CARBURETED SUBSTANCES 易炭化物             | NOT EXCEEDING THE STANDARD 不深于标准         | NOT EXCEEDING THE STANDARD 不深于标准 | NOT EXCEEDING THE STANDARD 不深于标准 | A≤0.52; T%≥30             | NOT EXCEEDING THE STANDARD 不深于标准 | NOT EXCEEDING THE STANDARD 不深于标准 | K≤1.0  | K≤1.0  |
| BACTERIAL ENDOTOXINS 细菌内毒素                     | ≤0.5IU/mg                                | /                                | PASS TEST 符合实验                   | /                         | ≤0.5IU/mg                        | /                                | /  | ≤0.5IU/mg  |
| ALUMINIUM 铝                                    | ≤0.2ppm                                  | /                                | ≤0.2ppm                          | /                         | ≤0.2ppm                          | /                                | /  | ≤0.2ppm  |
| ARSENIC 砷                                      | /  | ≤1ppm                            | /                                | /                         | /                                | ≤4ppm                            | ≤1ppm  | ≤0.1ppm  |
| MERCURY 汞                                      | /  | ≤1ppm                            | /                                | /                         | /                                | /                                | /  | ≤0.1ppm  |
| LEAD 铅   | /  | ≤1ppm                            | /                                | ≤0.5ppm                   | /                                | /                                | ≤0.5ppm  | ≤0.5ppm  |
| TRIDODECYLAMINE 三月桂胺                           | /  | /                                | /                                | ≤0.1ppm                   | /                                | /                                | /  | ≤0.1ppm  |
| WATER INSOLUBLE SUBSTANCES 水不溶物                | /  | /                                | /                                | /                         | /                                | /                                | Filtration time not more than 1 min; Filter membrane basically doesn't change color; Visual mottled particles not more than 3. 过滤时间不超过1min, 滤膜基本不变色, 目视可见杂色颗粒不超过3个 | Filtration time not more than 1 min; Filter membrane basically doesn't change color; Visual mottled particles not more than 3. 过滤时间不超过1min, 滤膜基本不变色, 目视可见杂色颗粒不超过3个 |

### General Parameter 基本参数

Molecular Formula 分子式:  $C_6H_8O_7 \cdot H_2O$  Structure Formula 结构式:

Molecular Weight 分子量: 294.10



### Applications 主要用途

Citric Acid Monohydrate is mainly used as acidulating, flavoring and preservative in foods and beverages. It is also used as antioxidant, plasticizer, detergent and builder.

一水柠檬酸主要用于食品、饮料行业作为酸味剂、调味剂及防腐剂、保鲜剂。还在化工、化妆品及洗涤行业中用作抗氧化剂、增塑剂、洗涤剂、助剂等。

### Packaging 包装

12.5kg, 25kg, 50lb, 500kg, 1000kg net bag palletized or unpalletized. And we also can supply different packaging according to special requirements.

12.5kg, 25kg, 50lb, 500kg, 1000kg等多种包装规格, 并能按照客户要求提供其他形式的包装。

### Storage 贮存

Keep bag well-closed, and put in a light-proof, dry and cool place. 密封、避光、干燥、阴凉处存放。