



Citric Acid  
INCI: Citric Acid  
Product ID: OTHCITRIC

## Specifications

### Analytical Details

**Appearance:**

**Odor:**

**Taste:**

**Color of Solution (40% sol'n w/v, 420 nm):**

**Clarity of Solution (40% sol'n w/v):**

**Assay (Anhydrous Basis):**

**Calcium (as Ca):**

**Tridodecylamine:**

**Water (Karl Fischer):**

**Oxalate (as Oxalic Acid Dihydrate, 520 nm):**

**Sulfate (as Sulfate, 40% sol'n w/v):**

**Residue on Ignition:**

**Retained On US STD 30 (600 µm):**

**Pass Thru US STD 100 (150 µm):**

**Evaluation of Insolubles:**

**Foreign Matter:**

**Identification (Test IR):**

**Related Substances (Isocitric Acid):**

**UV Absorbance:**

**Organic Volatile Impurities:**

**Carbonizable Substances (1g, 470 nm):**

### Heavy Metals

**Heavy Metals (as Lead):**

**Arsenic (as As):**

**Lead (as Pb):**

**Mercury (as Hg):**

**Iron (as Fe, 40% sol'n w/v, 670 nm):**

### Specifications

White Crystal

Characteristic

Strong Acidic Taste

99 - 100%

≤ 3.0 NTU

99.50 - 100.50%

≤ 75.00 ppm

≤ 0.1 ppm

≤ 0.50%

≤ 100 ppm

≤ 150 ppm

≤ 0.05%

≤ 1.00%

≤ 5.00%

Pass

Pass

Pass

Pass

Pass

Pass

Pass

≤ 5.00 ppm

≤ 1 ppm

≤ 0.5 ppm

≤ 1.00 ppm

≤ 5.00 ppm

**Shelf Life:**

1 Year

**Date:** 07/15/2020

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