Citric Acid
INCI: Citric Acid
Product ID: OTHCITRIC

Specifications

Analytical Details
Appearance: White Crystal
Odor: Characteristic
Taste: Strong Acidic Taste
Color of Solution (40% sol’n w/v, 420 nm): 99 - 100%
Clarity of Solution (40% sol’n w/v): ≤ 3.0 NTU
Assay (Anhydrous Basis): 99.50 - 100.50%
Calcium (as Ca): ≤ 75.00 ppm
Tridodecylamine: ≤ 0.1 ppm
Water (Karl Fischer): ≤ 0.50%
Oxalate (as Oxalic Acid Dihydrate, 520 nm)): ≤ 100 ppm
Sulfate (as Sulfate, 40% sol’n w/v): ≤ 150 ppm
Residue on Ignition: ≤ 0.05%
Retained On US STD 30 (600 µm): ≤ 1.00%
Pass Thru US STD 100 (150 µm): ≤ 5.00%
Evaluation of Insolubles: Pass
Foreign Matter: Pass
Identification (Test IR): Pass
Related Substances (Isocitric Acid): Pass
UV Absorbance: Pass
Organic Volatile Impurities: Pass
Carbonizable Substances (1g, 470 nm): Pass

Heavy Metals
Heavy Metals (as Lead): ≤ 5.00 ppm
Arsenic (as As): ≤ 1 ppm
Lead (as Pb): ≤ 0.5 ppm
Mercury (as Hg): ≤ 1.00 ppm
Iron (as Fe, 40% sol/n w/v, 670 nm): ≤ 5.00 ppm

Shelf Life: 1 Year

Date: 07/15/2020

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