



Specification

TriPotassium Citrate Monohydrate USP/FCC

Catalog Number: TC1005
CAS Number: 6100-05-6
Molecular Formula: $C_6H_5K_3O_7 \cdot H_2O$
Molecular Weight: 324.42
Storage: 15°C – 30°C
Retest Period: Three years from the date of manufacture

Test	Specification
Appearance	White crystalline powder
Assay (USP/FCC)	99.0 – 100.5%
Identification (USP/FCC)	To pass tests for Potassium & Citrate
Solubility	Very soluble in water, practically insoluble in ethanol
pH (5%)	7.5 – 9.0
Moisture (LOD, USP/FCC)	3.0 – 6.0%
Alkalinity(USP/FCC)	To meet requirement
Carbonizable Substances	To meet requirement
Chloride	≤ 50ppm
Oxalate	≤ 0.01%
Sodium	≤ 0.3%
Sulfate	≤ 150ppm
Tartrate (USP)	To meet requirements
Heavy Metals (USP)	≤ 5ppm
Arsenic	≤ 0.5ppm
Cadmium	≤ 0.5ppm
Iron	≤ 5ppm
Lead (FCC)	≤ 0.5ppm
Mercury	≤ 0.1ppm
Residual Solvents: Water was the only solvent used during production of this lot.	

Approved:

Date: September 25, 2018

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