



Certificate of Analysis

Ferric Citrate

Catalog Number: FC1002
Lot Number: 0312802
CAS Number: 2338-05-8/3522-50-7
Synonym(s): Iron(III) citrate hydrate, Iron(III) citrate
Molecular Formula: $C_6H_5FeO_7 \cdot xH_2O$
Molecular Weight: 244.94 (Anhydrous basis)
Storage: 15°C – 30°C
Date of Manufacture: December 12, 2016
Retest Date: December 12, 2019

Test	Specification	Result
Appearance	Orange-Brown Powder	Conforms
Fe 3 + content (as is basis)	16.5% to 20.0%	17.6%
Fe 2 + content	≤ 3.0%	1.8%
Water, %	≤ 27.0%	15.2%
Lead	≤ 2 ppm	0.01 ppm
pH (0.5%)	1.9 to 3.1	2.3
Solubility (0.5%)	Soluble	Conforms
Aerobic plate count	≤ 1000 cfu/g	< 1000 cfu/g
Yeast and molds	≤ 100 cfu/g	< 100 cfu/g
Total coliform	Negative	Negative

Approved by:

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