



Certificate of Analysis

Ammonium Citrate Dibasic ACS

Catalog Number: AC1002
Lot Number: 1214801
CAS Number: 3012-65-5
Synonym(s) Citric Acid Ammonium Salt Dibasic
Molecular Formula: $C_6H_{14}N_2O_7$
Molecular Weight: 226.18
Storage: 15°C – 30°C
Date of Manufacture: July 3, 2016
Retest Date: July 2, 2019

Test	Specification	Result
Appearance	White crystals	Conforms
Assay (Titration)	98.0 – 103.0%	100.38%
Identification	To match reference spectra	Conforms
Solubility	Freely soluble in water	Conforms
Insoluble Material	$\leq 0.005\%$	0.003%
Residue on Ignition	$\leq 0.001\%$	0.0086%
Chloride	$\leq 0.001\%$	$< 0.001\%$
Oxalate	To pass test	Conforms
Phosphate	$\leq 5\text{ppm}$	$< 5\text{ppm}$
Sulfur Compounds	$\leq 0.005\%$	$< 0.005\%$
Heavy Metals	$\leq 5\text{ppm}$	$< 5\text{ppm}$
Iron	$\leq 0.001\%$	$< 0.001\%$

Approved by:

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