



Product Specification

Product Name: tri-AMMONIUM CITRATE AR

Alternate Name(s) Ammonium citrate, tribasic

Description

White granules or powder; slight ammonia odour.

Properties

Chemical Formula: $(\text{NH}_4)_3\text{C}_6\text{H}_5\text{O}_7$

Molecular Weight: 243.19

Product Code: AA065

CAS No. 3458-72-8

General Information:

Incompatible with strong oxidizing agents. Combustible.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH19

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 98.5 - 101.0%

Specific Properties and Impurities [Typical levels]:

Melting point	185°C
pH of a 5% solution	6.0-7.5
Insoluble matter	≤ 0.005%
Chloride (Cl)	≤ 0.001%
Oxalate (C ₂ O ₄)	≤ 0.01%
Sulfate (SO ₄)	≤ 0.005%
Readily carbonisable substances	Passes test
Reducing substances	Passes test
Copper (Cu)	≤ 0.0001%
Iron (Fe)	≤ 0.0005%
Lead (Pb)	≤ 0.0005%
Potassium (K)	≤ 0.003%
Sodium (Na)	≤ 0.004%

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