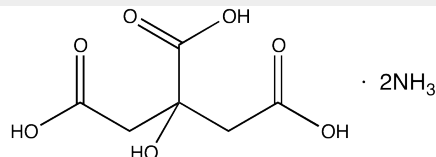


di-Ammonium hydrogen citrate, for analysis, ExpertQ®, ACS
Identification

$C_6H_8O_7 \cdot 2NH_3$
 M = 226,19 g/mol
 CAS [3012-65-5]
 EC number: 221-146-3
 Taric code: 2918 15 00


Synonyms

Ammonium citrate dibasic

Applications

analytical chemistry, in fertilizer compositions, for determination of: phosphates.

Specifications

assay.....	98 - 103 %	phosphates (as PO_4).....	max. 0,0005 %
insoluble matter.....	max. 0,005 %	heavy metals (as Pb).....	max. 5 ppm
pH (5 %, H_2O).....	4,7 - 5,3	iron (Fe).....	max. 5 ppm
chlorides (Cl).....	max. 0,0005 %	sulphur compounds (as SO_4).....	max. 0,005 %
oxalates (C_2O_4).....	passes test	residue on ignition.....	max. 0,01 %

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 1,48 g/cm³
- Bulk density: ~ 400 - 600 kg/m³
- Solub. in water: (20 °C): freely soluble
- pH(50 g/l H_2O , 20 °C) ~ 5,2

Safety - GHS

Signal Word: Warning

Hazard Statements:

H319: Causes serious eye irritation.


Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
 P264: Wash thoroughly after handling.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C