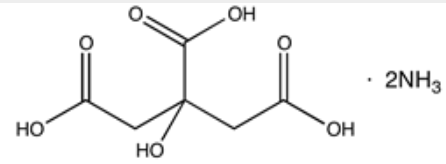


## di-Ammonium hydrogen citrate, for analysis, ExpertQ®, ACS

**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 PO4).....	max. 0,0005 %
insoluble matter.....	max. 0,005 %	heavy metals (as Pb).....	max. 5 ppm
pH (5 %, H2O).....	4,7 - 5,3	iron (Fe).....	max. 5 ppm
chlorides (Cl).....	max. 0,0005 %	sulphur compounds (as SO4).....	max. 0,005 %
oxalates (C <sub>2</sub> O <sub>4</sub> ).....	passes test	residue on ignition.....	max. 0,01 %

**Physical data**

- Appearance: crystals, white or almost white
- Spec. Density: 1,48 g/cm<sup>3</sup>
- Bulk density: ~ 400 - 600 kg/m<sup>3</sup>
- Solub. in water: (20 °C): freely soluble
- pH(50 g/l H<sub>2</sub>O, 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