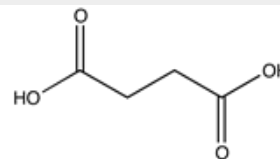


Identification

C₄H₆O₄
M = 118,09 g/mol
CAS [110-15-6]
EC number: 203-740-4
Taric code: 2917 19 90

**Synonyms**

Butanedioic acid

Applications

analytical chemistry, titrant in volumetric analysis, synthesis of organic products, in food industry (E 363).

Specifications

assay (acidimetric).....	min. 99 %	phosphates (as PO ₄).....	max. 0,001 %
identity (IR-spectrum).....	passes test	sulfates (SO ₄).....	max. 0,003 %
appearance of solution.....	passes test	ammonium (NH ₄).....	max. 0,001 %
insoluble in water.....	max. 0,005 %	iron (Fe).....	max. 5 ppm
melting point.....	185 - 191 °C	heavy metals (as Pb).....	max. 5 ppm
total nitrogen (as N).....	max. 0,001 %	fumaric acid (HPLC).....	max. 0,5 %
chlorides (Cl).....	max. 0,0005 %	residue on ignition.....	max. 0,02 %
		water (K.F.).....	max. 0,5 %

Physical data

- Appearance: powder, white
- Spec. Density: ~ 1,55 g/cm³
- Solub. in water: (20 °C): soluble
- Melting point: 183 - 187 °C
- Boiling point: ~ 235 °C
- Flash point: 206 °C
- Ignition temperature: ~ 630 °C

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

- 5°C - 30°C