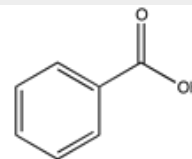


**Benzoic acid, secondary standard for volumetric titrations,
Titrasure®****Identification**

C₇H₆O₂
M = 122,12 g/mol
CAS [65-85-0]
EC number: 200-618-2
Taric code:

**Synonyms**

Benzenecarboxylic acid, Phenylformic acid

Specifications

assay (on dried sample).....min. 99,5 %
melting point..... 122 - 123 °C
insoluble in CH₃OH..... max. 0,005 %
chlorine compounds (as Cl)..... max. 0,005 %
sulfur compounds (as S)..... max. 0,002 %

heavy metals (as Pb)..... max. 5 ppm
substances reducing KMnO₄ passes test
residue on ignition..... max. 0,005 %

This standard solution is traceable to Standard Reference Material from NIST.

Physical data

- Spec. Density: 1,321 g/cm³
- Bulk density: ~ 500 kg/m³
- Solub. in water: (20 °C): 3,4 g/l
- Melting point: 121,5 - 123,0 °C
- Boiling point: ~ 249 °C
- Flash point: 121 °C
- Ignition temperature: 532 °C
- Vapour pressure: (20 °C) 1,3 hPa
- pH(10 g/l H₂O) 3

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H315: Causes skin irritation.
H318: Causes serious eye damage.
H372: Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

- P260: Do not breathe dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P321: Specific treatment (see on this label).
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C