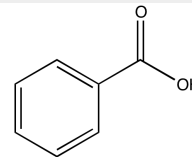


**Benzoic acid, secondary standard for volumetric titrations,  
Titrasure®**
**Identification**

C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>  
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 %	sulfur compounds (as S).....	max. 0,002 %
melting point.....	122 - 123 °C	heavy metals (as Pb).....	max. 5 ppm
insoluble in CH <sub>3</sub> OH.....	max. 0,005 %	substances reducing KMnO <sub>4</sub> .....	passes test
chlorine compounds (as Cl).....	max. 0,005 %	residue on ignition.....	max. 0,005 %

**Physical data**

- Spec. Density: 1,321 g/cm<sup>3</sup>
- Bulk density: ~ 500 kg/m<sup>3</sup>
- 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 H<sub>2</sub>O) 3

**Safety - GHS**

**Signal Word:** Warning

**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.  
P264: Wash thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
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).  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 1700 mg/kg
- WGK: 1
- Poison class CH (Swiss): 4

**Transport/storage**

- Store between 15°C and 25°C