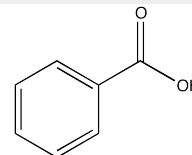


# Benzoic acid, secondary standard for volumetric titrations, Titrasure®

## 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 %  
melting point.....122 - 123 °C  
insoluble in CH<sub>3</sub>OH.....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 KMnO<sub>4</sub> .....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/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: 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