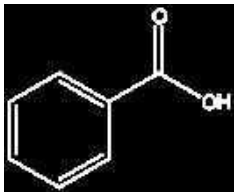
BENZOIC ACID



- Synonyms: Benzenecarboxylic acid, Phenylformic acid
- $C_7H_6O_2$
- M = 122,12 g/mol
- CAS [65-85-0]
- EINECS-No.: 200-618-2
- Solub. in water: (20 °C): 3,4 g/l
- Melting point: 121,5 - 123,0 °C
- Boiling point: ~ 249 °C
- Flash pt. 121 °C
- Ignition temp.: 532 °C
- Vapour pressure: (20 °C) 1,3 hPa
- LD 50 (oral, rat): 1700 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H315 - H318 - H372
- GHS-P sentences: P260 - P264 - P270 - P305 + P351 + P338 - P310 - P321 - P362 + P364 - P501a
- Tariff number: 2916 31 00 90
- Applications: analytical chemistry, preservative agent, manufacture of dyes.

AC0563 Benzoic acid, EssentQ®

assay (acidimetric) . . . . . min. 99,5 %
identity (IR-spectrum) . . . . . .passes test
residue on ignition . . . . . .max. 0,02 %
water (K.F.) . . . . . .max. 0,2 %

ART. NO.	VOLUME	CONTAINER
AC05630500	500 g	P
AC05631000	1 kg	P

ART. NO.	VOLUME	CONTAINER
AC0563005P	5 kg	P
AC0563025P	25 kg	P

AC0565 Benzoic acid, ExpertQ®, for analysis, ACS

assay (acidimetric) . . . . . min. 99,9 %
identity (IR-spectrum) . . . . . .passes test
melting point . . . . . 122 - 123°C
appearance of solution . . . . . .passes test
insoluble in CH_3OH . . . . . .max. 0,005 %
halogen compounds (as Cl) . . . . . .max. 0,01 %
chlorine compounds (as Cl) . . . . . .max. 0,005 %
sulfates (SO_4) . . . . . .max. 0,002 %
copper (Cu) . . . . . max. 5 ppm
heavy metals (as Pb) . . . . . max. 5 ppm
iron (Fe) . . . . . max. 2 ppm
lead (Pb) . . . . . max. 2 ppm
zinc (Zn) . . . . . max. 5 ppm
sulfur compounds (as S) . . . . . .max. 0,002 %
substances reducing $KMnO_4$ . . . . . .passes test
residue on ignition . . . . . .max. 0,005 %

ART. NO.	VOLUME	CONTAINER
AC05650500	500 g	P
AC05651000	1 kg	P
AC0565005P	5 kg	P
AC0565025P	25 kg	P

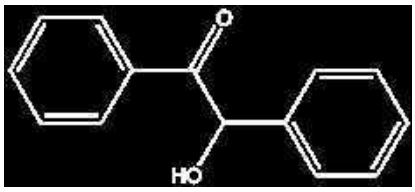
AC0566 Benzoic acid, secondary standard for volumetric titrations, Titrasure®

assay (on dried sample) . . . . . min. 99,5 %
melting point . . . . . .122 - 123 °C
insoluble in CH_3OH . . . . . .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 $KMnO_4$ . . . . . .passes test
residue on ignition . . . . . .max. 0,005 %

ART. NO.	VOLUME	CONTAINER
AC05660080	80 g	

BENZOIN

BE0270 Benzoin, EssentQ®



- Synonyms: α-Hydroxy-α-phenylacetophenone
- $C_{14}H_{12}O_2$
- M = 212,25 g/mol
- CAS [119-53-9]
- EINECS-No.: 204-331-3
- Solub. in water: (20 °C): insoluble
- Melting point: 132 - 134 °C
- Boiling point: 344 °C
- Flash pt. 182 °C
- Ignition temp.: 182 °C
- Vapour pressure: (136 °C) 1,3 hPa
- LD 50 (oral, rat): 6400 mg/kg
- Tariff number: 2914 40 90 00
- Applications: synthesis of organic products, laboratory reagent.

assay (G.C.) . . . . . .min. 99 %
identity (IR-spectrum) . . . . . .passes test
residue on ignition . . . . . .max. 0,05 %
water (K.F.) . . . . . .max. 0,2 %

ART. NO.	VOLUME	CONTAINER
BE02700250	250 g	P
BE02701000	1 kg	P