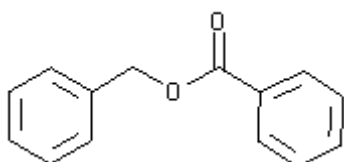


**PRODUCT CODE: 144720****Benzyl Benzoate (USP, BP, Ph. Eur.) pure, pharma grade**

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 $C_{14}H_{12}O_2$  $C_{14}H_{12}O_2$ 

M.= 212,26

CAS [120-51-4]

EINECS 204-402-9

TARIC 2916 31 00 90

**SYNONYMS:** Benzoic Acid Benzyl Ester, Benzoic Acid Phenylmethyl ester, Benzyl benzenecarboxylate**PHYSICAL DATA:** liquid, oily, Clear, Colourless, Insoluble in water. Soluble in alcohol. D 20/4 1,118 • M.P.: 21 °C • B.P.: 324 °C • n<sub>20/D</sub> : 1,5681 • Flash P.:148 °C • Ign. T.:480 °C • Vap. press. (20 °C) 0,1 hPa •**BIBLIOGRAPHY:** Merck Index **12**, 1.162 13, 1.129 Sax **6378** • Kühn-Birett **B 74** • Beilstein **9** , **121 I** , **68 II** , **100 III** ,**428 IV** , **307** • BRN 2049280 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • Royal Decree **I507** •**HAZARDOUS:** C.E: 607-085-00-9 • RTECS: DG 4200000 • LD50 oral rat 1.900 mg/kg • LD50 skn rat 4.000 mg/kg •

H: H302 • H411 •

P: P264 • P270 • P273 • P301+P312 • P330 • P501 • P391 •

**WEIGHT/VOLUME INFORMATION:** 1l~1,119 kg      1kg~0,894 l**OBSERVATIONS:** Not recommended in areas with a very hot climate • Storage away from direct light. •

**SPECIFICATIONS:**

Assay	99,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
Density at 25/25	1,116-1,120
Density at 20/20	1,118-1,122
Freezing point	$\geq 18,0^{\circ}\text{C}$
Refractive Index $n_{20/D}$	1,568-1,570

**Maximum limit of impurities**

Acidity	passes test
Residue on ignition (as $\text{SO}_4$ )	0,1 %
Residual solvents (Ph.Eur/USP)	passes test
Aldehydes (as $\text{C}_7\text{H}_6\text{O}$ )	0,05%

## Elemental impurities (ICH Q3D):

## Class 1

Cd	0,5 ppm
Pb	5 ppm
As	1,5 ppm
Hg	1,5 ppm

## Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

## Class 2B

Tl	5 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

## Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm