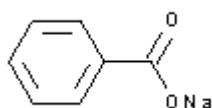


**PRODUCT CODE: 141637****Sodium Benzoate (USP-NF, BP, Ph. Eur.) pure, pharma grade**C₇H₅NaO₂C₆H₅COONa

M.= 144,10

CAS [532-32-1]

EINECS 208-534-8

TARIC 2916 31 00 90

SYNONYMS: Benzenecarboxylic Acid Sodium Salt, Benzoic AcidSodium Salt, Phenylformic Acid Sodium Salt**PHYSICAL DATA:** crystalline powder, White, Soluble in water 556 g/l at 20 °C D (20 °C) 1,5 • M.P.: 436 °C1.013 hPa(OECD 102) • B.P.: 465 °C • pH(10% sol.)9 • Flash P.:>100 °C • Ign. T.:>500 °C •**BIBLIOGRAPHY:** Merck Index **12**, 8.725 13, 8.654 Sax **SFB000** • Safety **2** , **361 C** • Beilstein **9** , **92 IV** , **273** • BRN 3572467 • Fieser **11044 2377** • BP.**2018** • USP -**NF 36** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** 8.1 • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:** RTECS: DH 6650000 • LD50 oral rat >2.000 mg/kg • LC50 rat >12,2 mg/l • LD50 skn rbt >2.000 mg/kg •**Derived No Effect Level (DNEL)**Workers Dermal, long exposure (systemic) 34.7mg/kg bw/24h Workers Dermal, long exposure (local) 4.5mg/cm2
Workers Inhalation, long term (systemic) 10,4 mg/m3 Workers Inhalation, long term (local) 6,3 mg/m3 Population,
oral, long term (systemic) 25mg/kg bw/24h Population Inhalation, long term (systemic) 2,1 mg/m3 Population,
Dermal, long exposure (systemic) 20.8mg/kg bw/24h Population, Dermal, long exposure (local) 2.7mg/cm2
Population Inhalation, long term (local) 1,3 mg/m3

H: H319 •

P: P264 • P280 • P305+P351+P338 • P337+P313 •

SPECIFICATIONS:

Assay (Perchl. Ac.) calc. a.d.s.	99,0-100,5%
Assay (HPLC.) calc. a.d.s.	99,0-101,0%
Identity :	
Identity according to Pharmacopoeias:	passes test

Maximum limit of impurities

Appearance of solution	passes test
Acidity or alkalinity	passes test
Insoluble matter in H ₂ O	passes test
Loss on drying at 105°C	1,5%
Residual solvents (Ph.Eur/USP)	passes test
Halogenated compounds:	
Ionized Chlorine (Cl)	0,02 %
Total Chlorine (Cl)	0,03 %
Water (H ₂ O)	1,5 %
Heavy metals (as Pb)	0,001%

Elemental impurities (ICH Q3D):

Class 1

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

Class 2A

Co	5 ppm
V	10 ppm
Ni	20 ppm

Class 2B

Tl	0,8 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