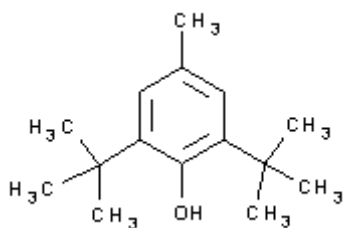


**PRODUCT CODE: Z42825****2,6-Di-tert-Butyl-4-Methylphenol (BP, Ph. Eur.) pure, pharma grade**

 $C_{15}H_{24}O$ 

M.= 220,35

CAS [128-37-0]

EINECS 204-881-4

TARIC 2907 19 90 90

SYNONYMS: 2,6-Di-tert-Butyl-p-Cresol, 3,5-Di-tert-Butyl-4-Hydroxytoluene, BHT, Butyl Hydroxytoluene, DBPC, Ionol**PHYSICAL DATA:** Small crystals, White, Insoluble in water. Soluble in alcohol and acetone. D 1,048 • M.P.: 70 °C • B.P.: 265 °C • Flash P.:127 °C • Ign. T.:345 °C • Vap. press. (141 °C) 19 hPa •**BIBLIOGRAPHY:** Merck Index **12**, 1.583 13, 1.547 Sax **BFW750** • Safety **2** , **1101 C** • Ullmann (**4.**)18 , 207 • Beilstein **6** , **III** , **2073 IV** , **3511** • BRN 1870662 • BP.2018 • USP -**NF 36** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:** RTECS: GO 7875000 • LD L0 oral rbt 2.100 mg/kg • LD50 oral rat 890 mg/kg • LD50 ipr mus 138 mg/kg

H: H410 •

P: P273 • P391 • P501 •

TRANSPORT REGULATIONS: UN: 3077 • ADR: 9/III • IMDG: 9/III • IATA: 9/III • PAX: 956 • CAO: 956 • (E) •

SPECIFICATIONS:

Minimum assay (as C ₁₅ H ₂₄ O)	99,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
Range of Freezing	69,2-70°C

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in CH ₃ OH	passes test
Residue on ignition (as SO ₄)	0,002 %
Related substances	passes test
Residual solvents (Ph.Eur.)	passes test
Heavy metals (as Pb)	0,001%

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	5 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