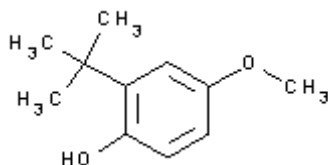


**PRODUCT CODE: 144233****Butylhydroxyanisole (USP-NF, BP, Ph. Eur.) pure, pharma grade**

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 $C_{11}H_{16}O_2$ 

M.= 180,25

CAS [25013-16-5]

EINECS 246-563-8

TARIC 2909 50 00 10

**SYNONYMS:** 3-tert-Butyl-4-Hydroxyanisol, BHA, Butyl Hydroxyanisol**PHYSICAL DATA:** Insoluble in water • M.P.: 50 °C • B.P.: 236 °C • Flash P.:130 °C • Waxy aspect, white colour or slightly yellow-pink. Could form lumps easily.**BIBLIOGRAPHY:** Merck Index **13**, 1.546 14, 1.547 Sax **BRN000** • Beilstein **6 , IV , 6013** • BRN 1867499 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • Royal Decree **I549** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •**HAZARDOUS:** RTECS: SK 1575000 • LD50 oral rat 2.000 mg/kg •

H: H318 • H411 •

P: P305+P351+P338 • P280 • P273 •

**TRANSPORT REGULATIONS:** UN: 3077 • ADR: 9/III • IMDG: 9/III • IATA: 9/III • PAX: 956 • CAO: 956 • (E) •**OBSERVATIONS:** Storage away from direct light. •

**SPECIFICATIONS:**

Minimum assay (as C <sub>11</sub> H <sub>16</sub> O <sub>2</sub> )	98,5%
Identity :	
Identity according to Pharmacopoeias:	passes test

**Maximum limit of impurities**

Appearance of solution	passes test
Insoluble matter in C <sub>2</sub> H <sub>6</sub> O	passes test
Residue on ignition (as SO <sub>4</sub> )	0,01 %
Related substances	passes test
Residual solvents (Ph.Eur/USP)	passes test
3-tert-Butyl-4-Methoxyphenol	10%
Hydroquinone	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	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