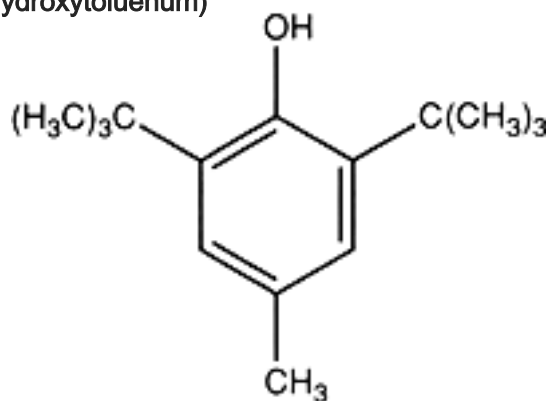


Butylated hydroxytoluene (Butylhydroxytoluenum) $C_{15}H_{24}O$ **Relative molecular mass.** 220.4**Chemical name.** 2,6-Di-*tert*-butyl-*p*-cresol; 2,6-bis(1,1-dimethylethyl)-4-methyl-phenol; CAS Reg. No. 128-37-0.**Other name.** BHT.**Description.** Colourless crystals or a white or almost white, crystalline powder; odour, faint and characteristic.**Solubility.** Practically insoluble in water; freely soluble in ethanol (~750 g/l) TS, acetone R, ether R, and arachis oil R.**Category.** Antioxidant.**Storage.** Butylated hydroxytoluene should be kept in a well-closed container, protected from light.**Requirements****Identity tests**

A. Dissolve 0.1 g in 10 mL of ethanol (~750 g/l) TS and add 4 mL of sodium tetraborate (10 g/l) TS and a few crystals of 2,6-dichloroquinone chlorimide R; no more than a faint blue colour is produced (distinction from butylated hydroxyanisole).

B. Dissolve 10 mg in 2 mL of ethanol (~750 g/l) TS. Add 1 mL of testosterone propionate/ethanol TS and 2 mL of sodium hydroxide (~80 g/l) TS. Warm in a water-bath at 80 °C for 10 minutes, and allow to cool; a blue colour is produced.

Congealing temperature. Not lower than 69.2 °C.**Sulfated ash.** Not more than 1.0 mg/g.**Acid value.** Not more than 0.05.