

NipanoxTM BHT

Antioxidant for the cosmetic and food industry

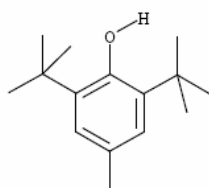
Chemical name

2,6-Di-tert.-butyl-4-methyl-phenol

INCI designation

BHT

Chemical structure



Product properties ^{*)}

Appearance

white to yellowish white crystalline powder

Chemical and physical data

Freezing point	69.0 - 70.0°C
Sulphated ash	max. 0.1 %
Solubility	not soluble in water and 1,2-Propandiol. good soluble in ethanol and vegetable oils.
Bulk density	approx. 650 kg/m ³

E 321 Kosher certified

CAS- No. 128-37-0

M= 220.3 g/mol

Empirical formula C₁₅H₂₄O

^{*)} These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety and ecological data, please refer to the MSDS.

Uses

Nipanox[®] BHT is a highly effective antioxidant of low toxicity. It protects organic material especially vegetable, animal and fish oils and fats from oxidation through atmospheric oxygen.

Incorporation

Usually Nipanox[®] BHT is added to the product in concentrations of 50 – 200 ppm, based on oil content for stabilization. The user is obliged to follow international and local regulations regarding combinations of antioxidants and maximum concentrations. For a simple dosing of Nipanox[®] BHT in oils and fats it is advisable to first prepare a highly concentrated solution for dosage. One dissolves i.e. 150 – 200 g of Nipanox[®] BHT Food Grade in 1 l of oil or fat, if necessary under moderate heating. From this high concentrated storage form of Nipanox[®] BHT one can easily dose the necessary amounts in a liquid form to the final product.

For the use of the active ingredient in life sciences application i.e. Pharma, cosmetics, Fragrances and special Food application, where a GMP (Good Manufacturing Practices) quality is necessary, which does conform to international Pharmacop. Requirements, Nipanox[®] BHT is not suitable.

Regulatory Status

Nipanox[®] BHT conforms to the requirements of the Food Chemical Codex IV (FCC IV) and the Codex Alimentarius.

For Germany (Nipanox[®] BHT entspricht der ersten Verordnung zur Änderung der Zusatzstoff-Verordnung vom 26. Januar 2001 und der Verordnung über Anforderungen an Zusatzstoffe und das

Inverkehrbringen von Zusatzstoffen für technologische Zwecke (Zusatzstoff-Verkehrsverordnung ZverKV) vom 29. Januar 1998).

Nipanox® BHT conforms to the regulation 95/2/EG of the European Parliament and the Council. Publication of the European Union No. L 61/1 Febr. 20th, 1995, regulation 96/77/EU of the commission, December 2nd, 1996, revised by regulation 2000/63/EU from Oct. 5th, 2000, ABI EU Nr. L 277 from October , 30th, 2000.

The E 321 Code relates to the EU rules on food additives and proves that it is an EU approved food additive.

Nipanox® BHT is manufactured under constant microbiological quality control and measures. The regulation and recommendations of the HACCP concept are strictly followed.

Nipanox® BHT is Kosher certified, the certificate will be annually renewed.

The manufacturing of Nipanox® BHT does not include any products of human or animal origin, or of GMO modified bacteria origin and therefore does not contain any TSE related substances.

Under FDA and USD regulation (21CFR 101.22(j), 9 CFR 317.2(j) and 9 CFR 381.120) antioxidants have to be labeled (direct food additive).

Temperature stability

Nipanox® BHT should be incorporated at temperatures below 50 °C.

Storage instructions

The product is stable in sealed original containers. Further information on handling, storage and dispatch is given in the EC safety data sheet.

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described on their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.