



# PuroxB Food/Pharma

*ultra pure grade benzoic acid*

CAS No.: 65-85-0 EC No.: 200-618-2

C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>

USP / NF / EP / BP / JP / ChP

High purity preservative with an effective combination of antimicrobial action, low cost, safety, and excellent odor/taste profile.

### Applications include:

- **Foods, such as:**
  - Flour tortillas, pancakes, pizzas, and other non-yeast-raised bakery products
  - Hot-pack-processed and canned products, especially tomatoes and fruits
  - Fish and fish products
- **Beverages, such as soft drinks and spirits**
- **Personal Care & Cosmetics**
- **Pharmaceutical Preparations**
- **Oral Care Products**

### Purox® B Food/Pharma: Benzoic Acid of Outstanding Purity

Emerald produces the purest grade of benzoic acid available on the market (99.98% minimum), meeting the high quality standards needed for the food, cosmetic, and pharmaceutical industries. Purox B Food/Pharma has a low odor level and low agglomeration tendency and provides improved color of the end product.

### Superior Performance in Your Application

The use of Purox B Food/Pharma results in: **an efficiency gain of at least 20%** over benzoate salts (more active component per weight unit); **cost savings** due to a reduction in acid consumption for pH regulation; and the **option to reduce the total sodium** in the finished product, which may be beneficial in many food and beverage products.

Because of its high purity and efficiency in **controlling microbial growth**, Purox B Food/Pharma is utilized in a wide variety of applications as a preservative. In many food-grade applications, manufacturers are replacing propionics, sorbates, and fumaric acids with Purox B Food/Pharma as a result of its excellent taste and odor profile in combination with cost savings.

In **oral care**, Purox B Food/Pharma has a preservative effect and may help to prevent dental caries and control the growth of plaque bacteria, so that it acts as a breath freshener. Purox B Food/Pharma is used as a pH adjuster and/or preservative in cosmetic and toiletry applications, especially bath preparations, lipsticks, skin cleansers, and skin conditioners.

### Serving Our Customers Globally from Our Facilities in Europe and the U.S.

Emerald is a leading and reliable global supplier of benzoic acid, benzaldehyde, and other related chemistries. We used the highest standards for quality and responsible manufacturing at our strategically located sites in the U.S. and Europe, operating under ISO 9001:2015, ISO 14001:2015, and FSSC 22000 management programs.



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ultra pure grade benzoic acid

Characteristic	Spec. Range	Unit
Form	Flakes ("chips")	-
Odor	Slightly characteristic	-
Assay (on dried product)*	99.98 min.	% (m/m)
Benzyl benzoate	30 max.	mg/kg
Color (molten product)	25 max.	APHA
Water (Karl Fisher)	0.1 max.	% (m/m)
Heavy metals	10 max.	mg/kg
Iron	1 max.	mg/kg
Phenol	2 max.	mg/kg
Chloride, as Cl <sup>-</sup>	10 max.	mg/kg
Halogenated compounds, as Cl <sup>-</sup>	10 max.	mg/kg
Total chlorine, as Cl <sup>-</sup>	10 max.	mg/kg
Sulphated ash	0.01 max.	% (m/m)
Turbidity (of a 20% [m/m] solution in ethyl alcohol)	4.0 max.	NTU
Oxidizable substances	0.2 max.	mL 0.02 mol KMnO <sub>4</sub> /g
Residue on ignition	0.05 max.	% (m/m)
Carbonizable substances	Q max.	Matching fluid
Solidification point	121.5 – 122.5	°C
Phthalic acid	50 max.	mg/kg

\* Assay = 100% - total organic impurities

## Packaged to Meet Your Process Needs

Purox® B Food/Pharma is available in a choice of packaging formats to meet specific process requirements.

The product is packaged in robust, tamper-proof 25 kg form-fill-sealed polyethylene bags filled on an automated packaging line. Purox B Food/Pharma is also available in bulk quantities of 500 kg in high-quality big bags.

## About Emerald

Emerald Kalama Chemical is a leading global supplier of benzoic acid, benzaldehyde, and related downstream chemistries, with world-scale, backward integrated facilities in Kalama, Washington (USA), Rotterdam, Netherlands, and Widnes, UK. Products include benzoate preservatives, intermediates, high purity flavor and fragrance ingredients, plasticizers, coalescents, antioxidants, and accelerators. With manufacturing in the United States and Europe and a global sales and distribution network, we serve customers globally.

*Purox B Food/Pharma is also available through our distribution partners. Please contact us for additional information.*

**SHELF LIFE: 2 YEARS**

This material meets the latest requirements of FCC, USP/NF, Ph.Eur., BP, JP, ChP, E210 and is certified Kosher and Kosher for Passover and certified Halal. Purox B Food/Pharma is not authorized for use in applications governed by BPR.

### Customer Service – Americas

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