



Kalama® Potassium Benzoate FCC

CAS No.: 582-25-2 EC No.: 209-481-3

$C_7H_5KO_2$

FCC / EEC E-212

Typical Food and Beverage Applications

- Jams, marmalades, and jellies
- Margarine
- Syrup
- Condiments and dressings
- Flavored soft drinks, cider, and non-alcoholic beer

Kalama® Potassium Benzoate is a high purity preservative for food and beverage applications with an effective combination of **antimicrobial action, low cost, safety, and an excellent odor/taste profile**. It is valued as a lower-sodium replacement for sodium benzoate that retains the preservation efficacy of benzoic acid.

With a high purity level of at least 99.0%, Kalama® Potassium Benzoate has little to no impact on formulation odor or color. It is a safe, effective solution for preserving foods and beverages, where it is typically used at 0.1%.

Superior Performance in Your Products and Processes

Kalama® Potassium Benzoate has outstanding physical properties for consistently high performance in all of your handling, production, and packaging processes. It is manufactured to meet **Food Chemicals Codex (FCC) and EEC E-212** specifications.

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.

**Use levels are application-dependent. Consider all applicable regional regulations*

Typical Properties	Range	Unit
Form	Dense granules	
Taste and odor	No off taste or odor	-
Assay (on dried product)*	99.0 min.	% (m/m)
Water/Loss on drying	1.5 max.	% (m/m)
Acidity	0.25 max.	ml g 0.1 N NaOH/g
Alkalinity	0.06 max.	%
Phenol	2.0 max.	mg/kg
Lead	2 max.	mg/kg
Arsenic	3 max.	mg/kg
Mercury	1 max.	mg/kg
Sulfate, as SO ₄ ²⁻		mg/kg
Chlorinated Organic Compounds as Cl ⁻	0.06 max.	%

Above properties are typical of potassium benzoate and should not be confused with, or regarded as, sales specifications.

Typical Physical Properties

Potassium Benzoate is the potassium salt of benzoic acid. One gram of the salt is soluble in 2mL of water, in 75mL of ethyl alcohol, and in 50mL of 90% ethyl alcohol. The salt is insoluble in ethyl ether.

Potassium Benzoate is a slightly hygroscopic, white, odorless or nearly odorless product. A typical aqueous solution of potassium benzoate will be slightly alkaline with a sweetish astringent taste. It is offered for sale in a densified granular form. The bulk density of potassium benzoate is ~45 #/ft³. Potassium benzoate contains 76.2% of available benzoic acid.

Shelf Life

The recommended retest date is 12 months from the date of manufacture provided that the material is stored in the original, unopened packages, at temperatures between 40-86°F (4.4-30°C) in an ambient humidity environment, under normal warehouse conditions.

Potassium benzoate is slightly hygroscopic and should be stored in sealed containers. Exposure to conditions of high humidity and elevated temperatures should be avoided for general storage.

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 The U.S. and Europe. Products include benzoate preservatives, intermediates, aroma chemicals, plasticizers, coalescents, industrial antioxidants, and rubber accelerators.

Kalama® Potassium Benzoate is also available through our distribution partners. Please contact us for additional information.

Customer Service – Americas

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