


Technical Information

Purox[®] S grains pure grade Sodium Benzoate

United States Pharmacopeia / National Formulary Grade (USP/NF)
Food Chemicals Codex Grade (FCC)
European Pharmacopoeia Grade (Ph.Eur)
British Pharmacopoeia Grade (BP)
Japanese Pharmacopeia (JP)
EU Food Additives legislation (E211)

Purox[®] S grains is not authorized for use as biocidal product under the REGULATION (EU) No 528/2012. However, it can serve as a source of sodium benzoate as active substance according to the Annex I of the EU BPR.

Purox[®] S grains is certified Kosher and Kosher for pass-over  and certified Halal .

Purox[®] S grains is manufactured under a FSSC 22000 certified Food Management System and under a FAMI-QS certified Feed Management System.

UVP No.: 62609567

CAS-No.: 532-32-1

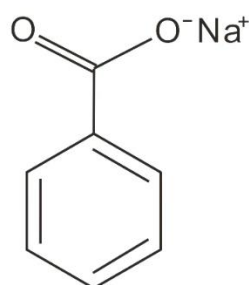
EINECS-No.: 208-534-8

Form supplied: GRAINS

mm = 144.1 g/mole

Empirical formula: C₇H₅NaO₂

Structural formula:



Description:

White grains, dust free.

The product is slightly hygroscopic.

Valid from: 2024-06-27

TI-No.: 62609567-1-03

Reason for issue: revision of structural formula

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Document is subject to
change without notice.

LANXESS Chemical B.V.
Business Unit Flavors & Fragrances
3197 KH Rotterdam-Botlek, Netherlands

Purox® S grains pure grade Sodium Benzoate

Specification:

Method / Characteristic	Specification	Unit
LRB AM 001+002 Assay (on dried product)	≥ 99.90	%
LRB AM 015 Loss on drying	≤ 1.0	%
LRB AM 016 (10% (m/m) solution in water) Color *)	≤ 10	APHA
LRB AM 017 Acidity (mg NaOH/g)	≤ 0.40	mg/g
LRB AM 017 Alkalinity (mg HCl/g)	≤ 0.37	AN
LRB AM 006 Phenol *)	≤ 2.0	ppm
App: White grains	PASS	
Identification (IR)	PASS	
Odor, odorless *)	PASS	

AM 018: Visual,
AM 019: organoleptic,
AM 005: ICP-AES

Insoluble matter,
Taste, No off taste,
Heavy metals $< 10 \text{ mg/kg}$ ***)
Iron $< 1 \text{ mg/kg}$ ***)

PASS ***)
PASS ***)

AM 021: Visual
AM 022: Titration
AM 023: Titration
AM 022+ 023 ^{(1) + (2)}

Mercury $< 0.1 \text{ mg/kg}$ ***)
Sulphate, as $\text{SO}_4^{2-} < 50 \text{ mg/kg}$ ***)
Chloride, as $\text{Cl}^- < 50 \text{ mg/kg}$ ***)⁽¹⁾
Halogenated compounds, as $\text{Cl}^- < 25 \text{ mg/kg}$ ***)⁽²⁾
Total Chlorine, as $\text{Cl}^- < 75 \text{ mg/kg}$ ***)
Turbidity (of 10% (m/m) solution in water) $< 0.5 \text{ NTU}$ ***)
Readily oxidizable substances $< 0.10 \text{ ml}$ (0.02 mol KMnO_4/g) ***)

AM 024: Visual
AM 009: Titration
AM 025: Gas Chromatography
AM 026: Melting tube
AM 002: HPLC

Organic volatile impurities, PASS ***)
Polycyclic acids, PASS ***)
Phthalic acid $\leq 50 \text{ mg/kg}$ ***)

Purox® S grains pure grade Sodium Benzoate may contain:
 $< 0.5 \text{ mg/kg}$ Cd, Pb; $< 1 \text{ mg/kg}$ Ag, As, Bi, Co, Cr, Cu, Hg, Mn, Ni, Sb, Sn, V, Zn

*) Analysis performed on periodic basis.

**) We confirm the conformity with the specification.

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Additional data:

Characteristic	Specification	Unit
Bulk density	>= 600	kg/m ³

Additional data provide further information about the product and are not subject to constant monitoring. They are therefore not binding (see notes in last section).

Standard packing and Storage:

Packing Type	Net weight	Packaging details	Best Before Date
Polyethylene sealed bags	25 kg ^{***)}	pallet 100x120 cm 55 bags / pallet	36 months
Bigbag	650 kg and 1000 kg ^{***)}	pallets 114x114 cm 1 Bigbag / pallet	36 months

^{***)} Weight margin $\pm 1\%$

Pallets are heat treated.

If correctly stored and kept in the original sealed package, the best before date is 36 months after the manufacturing date.

Storage cool and dry.

Shipping, toxicity, hazards and regulatory information:

Please note our safety data sheet.

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Health and Safety Information: Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets, product information and product labels. Consult your LANXESS representative in Germany or contact the Regulatory Affairs and Product Safety Department of LANXESS Deutschland GmbH or - for business in the USA - the LANXESS Corporation Product Safety and Regulatory Affairs Department in Pittsburgh, PA, USA.

Regulatory Compliance Information: Some of the end uses of the products described in this publication must comply with applicable regulations, such as the FDA, BfR, NSF, USDA, and CPSC. If you have any questions on the regulatory status of these products, contact – for business in the USA - the LANXESS Corporation Regulatory Affairs and Product Safety Department in Pittsburgh, PA, USA or for business outside US the Regulatory Affairs and Product Safety Department of LANXESS Deutschland GmbH in Germany.

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