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THE MANUFACTURING PROCESS OF THE PRODUCT BELOW IS COVERED BY A REGISTERED ISO 9001 QUALITY SYSTEM AND A FSSC 22000 FOOD SAFETY SYSTEM

Date: November 29, 2017

Supersedes: S40151-A6 dated Aug. 06, 2010

Ref #: S40251-A-G

DC #: 17-273

SPECIFICATIONS SODIUM BENZOATE FCC-NF POWDER

GENERAL

Molecular formula: $C_7H_5NaO_2$

Molecular weight: 144.11

CAS #: 532-32-1

EEC #: E-211

Description

White, odorless or nearly odorless powder.

Parameters

Specifications

Identification	Passes test
Assay by titration (anhydrous basis)	99.0 to 100.5%
Assay by HPLC (anhydrous basis)	99.0 to 101.0%
Water	1.5% Max.
Alkalinity (FCC-NF)	Passes test (0.04% Max.)
Heavy metals (as Pb)	10 µg/g Max.
Lead	2 mg/kg Max.
◇ Appearance of solution	Passes test
◇ Acidity or alkalinity (EP)	Passes test
◇ Loss on drying	2.0% Max.
◇ Halogenated compounds	Ionised chlorine: 200 ppm Max. Total chlorine: 300 ppm Max.

OVI and RS: This material conforms to the USP<467>, ICH Q3C and EP 5.4 requirements for organic volatile impurities (OVI) and residual solvents (RS). Based on our knowledge of the manufacturing process and on controlled handling and storage of the material, we acknowledge that there is no potential for introduction of residual solvents or organic volatile impurities in the product because the only solvent in our inorganic synthesis process is water.

Typical bulk density (tapped)

20 to 24 lbs/cu.ft.
0.32 to 0.38 g/mL

Typical particle size

On 850 µm (US standard mesh #20): 0.1% Max.
Through 45 µm (US standard mesh #325): 40% Min.

Packaging

20 kg multiwall paper bags.
45.4 kg and 50 kg drums.

Storage

Store in a cool and dry place, in tight containers,
for up to 2 years.

Conforms to current Food Chemicals Codex (FCC) and National Formulary (NF) requirements.

Meets the current analytical testing requirements of the European Pharmacopoeia (EP).

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