

# Sodium benzoate E211

Specification code      Sod – Benzoate

Date 30/01/2022

## Product description

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| <b>Description</b>            | White or almost white, crystalline or granular powder or extruded |
| <b>Solubility</b>             | Freely soluble in water, sparingly soluble in ethanol             |
| <b>Shelf life</b>             | Two years                                                         |
| <b>Appearance of solution</b> |                                                                   |
| clarity                       | Clear                                                             |
| colour                        | Y6                                                                |

## Microbiological chemical analysis

|                       |                 |
|-----------------------|-----------------|
| <b>Loss on drying</b> | Max. 1.5%       |
| <b>Assay</b>          | 99.0% - 100.5%  |
| <b>Melting range</b>  | 121.5 – 123.5°C |

## Chemical characteristics

|                                                         |              |
|---------------------------------------------------------|--------------|
| Acidity or Alkalinity                                   | Max. 0.2ml   |
| Halogenated compounds:                                  |              |
| Ionised chlorine                                        | Max. 200 ppm |
| Total chlorine                                          | Max. 300 ppm |
| Chlorinated organic compounds<br>(In terms of chloride) | Max. 0.06%   |
| Heavy metals<br>(in terms of lead)                      | Max. 10 ppm  |
| Arsenic                                                 | Max. 3 ppm   |
| Lead                                                    | Max. 2 ppm   |
| Mercury                                                 | Max. 1 ppm   |
| Polycyclic acids                                        | Positive     |
| Readily oxidisable substances                           | Positive     |

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