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#### CERTIFICATE OF ANALYSIS

### SODIUM BENZOATE

Part Number: 70074

Batch No.: SO19KC04643-01

| Analysis Description           | Minimum Value | Maximum Value | Result    | Compliance |
|--------------------------------|---------------|---------------|-----------|------------|
| Appearance                     |               |               | Powder    | Pass       |
| Colour                         |               |               | White     | Pass       |
| Odour                          |               |               | Odourless | Pass       |
| Assay%                         | 99.9          | 100           | >99.9     | Pass       |
| Loss on drying (%)             | 0.0           | 1.0           | <1        | Pass       |
| Acidity mg NaOH/g              | 0.0           | 0.4           | <0.40     | Pass       |
| Alkalinity mg HCl/g            | 0.0           | 0.37          | <0.37     | Pass       |
| Phenol mg/kg                   | 0             | 2             | <2        | Pass       |
| Insoluble Matter               |               |               | Pass      | Pass       |
| Taste and Odour                |               |               | Pass      | Pass       |
| Heavy Metals ppm               |               | 10            | <10       | Pass       |
| Iron (ppm)                     |               | 1             | <1        | Pass       |
| Mercury (Hg) ppm               |               | 0.1           | <0.1      | Pass       |
| Sulphate (ppm)                 |               | 50            | <50       | Pass       |
| Chloride (ppm)                 |               | 50            | <50       | Pass       |
| Halogenated Compounds mg/kg    |               | 25            | <25       | Pass       |
| Total Chlorine mg/kg           |               | 75            | <75       | Pass       |
| Turb (10%(m/m)sol water) NTU   | 0.0           | 0.5           | <0.5      | Pass       |
| Oxidiz Substs ml0.02molKMnO4/g | 0.0           | 0.1           | <0.10     | Pass       |
| Organic volatile impurities    |               |               | Pass      | Pass       |
| Polycyclic Acids               |               |               | Pass      | Pass       |
| Phthalic Acid mg/kg            | 0             | 50            | <50       | Pass       |

**Manufacture Date: Jan 2019**

**Expiry Date: Jan 2022**

**Quantity: 25.000 KG**

**Issue Date: 03/09/19**

Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air.

Expiry date must be considered as subjective; the expiry date given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers.

Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However, we ensure that this does not affect the quality and efficacy of the products in any way.

We hereby certify that the above material meets the required specification and is released for free sale.

This is a computer-generated document. No signature is required.