

## CERTIFICATE OF ANALYSIS

| Product Description | Batch | Re-Test Date | Customer Reference |
|---------------------|-------|--------------|--------------------|
| SODIUM LACTATE 60%  | 11608 | 05/2029      |                    |

| PARAMETERS                              | SPECIFICATION                     | RESULTS                |
|-----------------------------------------|-----------------------------------|------------------------|
| <b>Colour and Appearance:</b>           | Colourless to light yellow liquid | Comparable to standard |
| <b>Odour:</b>                           | Characteristic                    | Comparable to standard |
| <b>Specific Gravity @ 20°C:</b>         | 1.260 - 1.340                     | 1.33                   |
| <b>Viscosity in mPa.s @ 20°C:</b>       | 80 - 160Ccps                      | 148cps                 |
| <b>pH (20% Solution) @ 20°C:</b>        | 6.5 - 7.5                         | 7.4                    |
| <b>Assay</b>                            | 59.0 - 61.0 %                     | 60.6%                  |
| <b>Stereochemical purity (L-isomer)</b> | min. 97 %                         | Conforms               |
| <b>Sodium content</b>                   | 12.1 – 12.6 %                     | Conforms               |
| <b>Acidity (as lactic acid)</b>         | max. 0.3 % w/w                    | Conforms               |
| <b>Chloride</b>                         | max. 50 mg/kg                     | Conforms               |
| <b>Sulphate</b>                         | max. 20 mg/kg                     | Conforms               |
| <b>Cyanide</b>                          | max. 0.3 mg/kg                    | Conforms               |
| <b>Iron</b>                             | max. 10 mg/kg                     | Conforms               |
| <b>Arsenic</b>                          | max. 1 mg/kg                      | Conforms               |
| <b>Lead</b>                             | max. 2 mg/kg                      | Conforms               |
| <b>Mercury</b>                          | max. 1 mg/kg                      | Conforms               |
| <b>Heavy metals (as Pb)</b>             | max. 5 mg/kg                      | Conforms               |

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