

## 1940 - LACTIC ACID (HYDROXY PROPIONIC ACID)

|                           |  |                         |
|---------------------------|--|-------------------------|
| REF NO: TBL/QA/SS/LC/1940 | <b>STANDARD SPECIFICATION<br/>FOR LACTIC ACID<br/>(HYDROXY PROPIONIC<br/>ACID)</b> | Rev. No: 03             |
| Issue No: 04              |  | Review Date: 26/10/2024 |
| Issue Date: 27/10/2021    |  | Product code: 1940      |

### PRODUCT PROPERTIES

|                           |   |
|---------------------------|---|
| <b>C.A.S Number</b>       | 50-21-5   |
| <b>Chemical Formula</b>   | C <sub>3</sub> H <sub>6</sub> O <sub>3</sub>  |
| <b>Formula weight</b>     | 90.08   |
| <b>Functional Uses</b>    | Lactic Acid is used in the food, cosmetic, pharmaceutical, and chemical industries and has received increased attention for use as a monomer for the production of bio- degradable poly(lactic acid). |
| <b>Standard Packaging</b> | 500 ml; 2.5 ltr. & 25 ltr.  |

### PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION   |
|-------------------|---|
| Appearance        | A clear syrupy liquid, almost colorless and odorless. |

### CHEMICAL PARAMETERS

| PRODUCT PARAMETER           | SPECIFICATION |
|-----------------------------|---------------|
| Chloride(Cl)                | NMT – 0.0005% |
| Sulphate (SO <sub>4</sub> ) | NMT – 0.0005% |
| Iron (Fe)                   | NMT – 0.0005% |
| Lead (Pb)                   | NMT – 0.0005% |
| Assay                       | NLT – 90.0%   |

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

