



## Certificate of Analysis

### D,L-Lactic Acid Sodium Salt 60% Solution USP

**Catalog Number:** SL1007  
**Lot Number:** Typical-829  
**CAS Number:** 72-17-3  
**Synonym(s):** D,L-Lactic Acid Sodium Salt  
**Molecular Formula:** C<sub>3</sub>H<sub>5</sub>O<sub>3</sub>Na  
**Molecular Weight:** 112.06  
**Storage:** 2°C – 8°C  
**Date of Manufacture:** January 2, 2014  
**Retest Date:** January 1, 2020

| Test                                    | Specification            | Result   |
|---|--------------------------|----------|
| Appearance                              | Clear & colorless liquid | Conforms |
| Assay (Titration)                       | 58.8 – 61.2%             | 60.5%    |
| Specific Rotation                       | -0.05° to +0.05°         | 0.00°    |
| Identification                          |                          |          |
| Sodium                                  | To pass test             | Conforms |
| Lactate                                 | To pass test             | Conforms |
| pH                                      | 6.8 – 8.0                | 6.8      |
| pH Stability on Autoclaving             | ≥ 6.1                    | 6.8      |
| Color                                   | ≤ 25APHA                 | < 25APHA |
| Chloride                                | ≤ 500ppm                 | < 500ppm |
| Sulfate                                 | To pass test             | Conforms |
| Heavy Metals                            | ≤ 10ppm                  | < 10ppm  |
| Iron                                    | ≤ 1ppm                   | < 1ppm   |
| Citrate, Oxalate, Phosphate or Tartrate | To pass test             | Conforms |
| Residual Solvents                       |                          |          |
| Methanol & Methyl Esters                | ≤ 250ppm                 | < 250ppm |
| Methyl Ethyl Pyridine                   | None detected            | Conforms |

Approved by:

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