



|                   |                               |
|-------------------|-------------------------------|
| Version           | 01                            |
| Molecular weight  | 178.14                        |
| Molecular Formula | C6 H10 O6                     |
| CAS No            | 608-68-4                      |
| Linear Formula    | <chem>[-CH(OH)CO2CH3]2</chem> |
| Flash Point (°C)  | >112                          |

## Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

|                       |                                |                             |            |
|-----------------------|--------------------------------|-----------------------------|------------|
| Catalog Number        | 17249                          | Quality Test / Release Date | 03/30/2024 |
| Lot Number            | A0434766                       | Suggested retest date       | 03/30/2029 |
| Description           | (+) -Dimethyl L-tartrate, 98+% |                             |            |
| Country of Origin     | GERMANY                        |                             |            |
| Declaration of Origin | synthetic                      |                             |            |

|          |  |
|----------|--|
| BSE/TSE  |  |
| Chemical |  |

| Result name               | Specifications                               | Test Value                          |
|---------------------------|----------------------------------------------|-------------------------------------|
| Appearance (Color)        | White to almost white                        | White                               |
| Appearance (Form)         | Crystalline powder or crystals and/or chunks | crystals and chunks                 |
| Infrared spectrum         | Conforms                                     | Conforms                            |
| GC                        | >=98.0 %                                     | 99.3 %                              |
| Specific optical rotation | +20° to +23° (20°C, 589 nm) (c=10, water)    | +20.1° (20°C, 589 nm) (c=10, water) |

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