

Version Molecular weight Quality Test / Release Date Molecular Formula CAS No Linear Formula Flash Point (°C)

00 104.11 04/12/2019 C4 H8 O3 300-85-6 CH3CH(OH)CH2CO2H 112

Certificate of Analysis

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to human or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

| Catalog Number | 12105 Quality Test / Release Date 04/12/2019 | |
|-----------------------|--|--|
| Lot Number | A0407038 | |
| Description | 3-Hydroxybutyric acid,98% | |
| Country of Origin | UNITED KINGDOM | |
| Declaration of Origin | synthetic | |
| | | |
| BSE/TSE comment | | |

Chemical Comment

| Result name | Units | Specifications | Test Value |
|---------------------|-------|------------------------------------|------------|
| Appearance (Color) | | Colorless to white to light yellow | White |
| Appearance (Form) | | Solid or liquid | Solid |
| Infrared spectrum | | Conforms | Conforms |
| Titration with NaOH | | 97.5 to 102.5 % | 98.7 % |



a Block

L. Van den Broek, QA Manager

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Acros Organics

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