

### Chemical Information:

Name: 3-Hydroxy-2,2-dimethylpropyl 3-hydroxy-2,2-dimethylpropionate  
Date of Analysis: 29 June 2016  
CAS No.: 1115-20-4 Supplier: TCI America  
Tox21\_ID No.: Tox21\_201302 Lot No.: OGE01  
NTP\_CID No.: 2936 MW: 204.27 g/mol

### Purity and Identity Results:

| Peak Identity   | Retention Time (min) | Purity (% Total Area) <sup>a</sup> |
|---|----------------------|------------------------------------|
| 3-Hydroxy-2,2-dimethylpropyl 3-hydroxy-2,2-dimethylpropionate | 25.49                | 100.00                             |

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

|                         |  |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact   |
| Solvent                 | Ethanol  |
| Column                  | Rtx-5 MS, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness   |
| Carrier Gas             | Helium at 2.0 mL/min   |
| Oven Program            | 50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min  |
| Source Temperature      | 230°C  |
| Auxiliary Temperature   | 250°C  |
| Scan Range              | 40 – 800 amu   |
| Injector Temperature    | 250°C  |
| Injection Volume / Mode | 1 $\mu$ L / Splitless  |
| Data Analysis Software  | MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014 |

