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|-----------------------------|------------|
| Version | 00 |
| Molecular weight | 238.28 |
| Quality Test / Release Date | 12/17/2019 |
| Molecular Formula | C10 H22 O6 |
| CAS No | 4792-15-8 |
| Linear Formula | |
| Flash Point (°C) | |

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 | 35073 | Quality Test / Release Date 12/17/2019 |
| Lot Number | A0414955 | |
| Description | Pentaethylene glycol, 98% | |
| Country of Origin | POLAND | |
| Declaration of Origin | | |

| | |
|------------------------|--|
| BSE/TSE comment | |
|------------------------|--|

| | |
|-------------------------|--|
| Chemical Comment | |
|-------------------------|--|

| Result name | Units | Specifications | Test Value |
|--------------------|-------|---------------------------------|-----------------------|
| Appearance (Color) | | Clear colorless to yellow | Clear colorless |
| Appearance (Form) | | Liquid | Liquid |
| Infrared spectrum | | Conforms | Conforms |
| GC | | >=97.5 % | 98.4 % |
| Refractive index | | 1.4610 to 1.4630 (20°C, 589 nm) | 1.4619 (20°C, 589 nm) |



A handwritten signature in black ink, which appears to read "L. Van den Broek".

L. Van den Broek, QA Manager

Issued: 12-18-2019

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