

# Specification

Technical Data Sheet

**CAS****31692-85-0****STORAGE****Ambient****MOLECULAR WEIGHT****160.19****PRODUCT****Poly(ethylene glycol) tetrahydrofurfuryl ether**

|                   |                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------|
| Product number    | 26039949                                                                                     |
| CAS number        | 31692-85-0                                                                                   |
| Molecular formula | (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>5</sub> H <sub>10</sub> O <sub>2</sub> |
| Molecular weight  | 160.19 g/mol                                                                                 |

**PARAMETER****SPECIFICATION**

|                         |                                   |
|-------------------------|-----------------------------------|
| Appearance              | Colourless, clear, viscous liquid |
| Assay                   | ≥98.0%                            |
| Heavy metals            | ≤10ppm                            |
| Identification          | Conforms to reference             |
| pH                      | 5.0~7.5                           |
| Refractive Index        | 1.450~1.460                       |
| Water                   | ≤0.4%                             |
| Aldehydes               | ≤25μg                             |
| Appearance of Solution  | Colourless liquid                 |
| Chloride (Cl-)          | ≤50ppm                            |
| Hydroxyl value          | 310~370                           |
| Iron (Fe)               | ≤10ppm                            |
| Other Impurity          | ≤1.0%                             |
| Residue                 | ≤0.05%                            |
| Specific Gravity        | 1.070~1.090g/ml                   |
| Tetrahydrofuran ethanol | ≤0.5%                             |

| PARAMETER                             | SPECIFICATION           |
|---------------------------------------|-------------------------|
| <b>Arsenic (As)</b>                   | ≤3ppm                   |
| <b>Sulphates (SO<sub>4</sub>)(2-)</b> | ≤150ppm                 |
| <b>Total Acid</b>                     | ≤0.1ml ( 0.01N NaOH/g ) |

|                                |                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SPECIFICATION STATEMENT</b> | The values stated above represent the standard specification for this product, issued under <b>Molekula Ltd</b> 's quality management system. Batch-specific results are provided on the Certificate of Analysis. |
| <b>STORAGE</b>                 | Store as indicated on the product label, away from light, moisture and incompatible materials.                                                                                                                    |

**Molekula Ltd** would like to thank you for your support of our products and service.

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