

# Specification

Technical Data Sheet

**CAS****56038-13-2****STORAGE****Ambient****MOLECULAR WEIGHT****397.63****PRODUCT****Sucralose according to USP specifications**

|                          |                                                                |
|--------------------------|----------------------------------------------------------------|
| <b>Product number</b>    | 90037170                                                       |
| <b>CAS number</b>        | 56038-13-2                                                     |
| <b>Molecular formula</b> | C <sub>12</sub> H <sub>19</sub> Cl <sub>3</sub> O <sub>8</sub> |
| <b>Molecular weight</b>  | 397.63 g/mol                                                   |

**PARAMETER****SPECIFICATION**

|                                        |                            |
|----------------------------------------|----------------------------|
| <b>Assay</b>                           | 98.0 - 102.0 %             |
| <b>Heavy metals</b>                    | ≤ 10ppm                    |
| <b>Identification</b>                  | A, B, C                    |
| <b>pH</b>                              | 5.0 - 7.0                  |
| <b>Water</b>                           | ≤ 2.0%                     |
| <b>Hydrolysis Products</b>             | ≤ 0.1%                     |
| <b>Methanol</b>                        | ≤ 0.1%                     |
| <b>Related Substances</b>              | ≤ 0.5%                     |
| <b>Residue on Ignition</b>             | ≤ 0.7%                     |
| <b>Specific optical rotation</b>       | +84.0 - +87.5 °            |
| <b>Arsenic (As)</b>                    | ≤ 3ppm                     |
| <b>Lead (Pb)</b>                       | ≤ 1ppm                     |
| <b>Solubility (10% H<sub>2</sub>O)</b> | Clear, colourless solution |

**SPECIFICATION  
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'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. |
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**Molekula Ltd** would like to thank you for your support of our products and service.

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