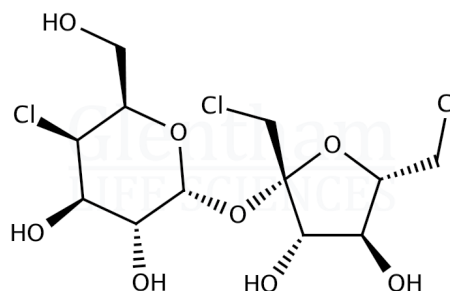


Certificate of Analysis

| | |
|-------------------|-----------------------|
| Product Name | Sucralose, USP grade |
| Glentham Code | GC1410 |
| CAS Number | 56038-13-2 |
| EINECS | 259-952-2 |
| MDL Number | MFCD03648615 |
| Batch Number | 312AMV |
| Molecular Weight | 397.63 |
| Molecular Formula | $C_{12}H_{19}Cl_3O_8$ |
| Storage Temp. | +20°C |



| Property | Specification | Batch 312AMV |
|--------------------------------|----------------------------------|-----------------|
| Physical Description | White crystalline powder | Conforms |
| Identification | A, B, C according to USP | Conforms |
| Solubility (10% in water) | Clear, colourless solution | Conforms |
| pH (10% in water) | 5.0 - 7.0 | 6.3 |
| Specific Optical Rotation | +84.0 - +87.5 ° | +86.4 |
| Water | ≤ 2.0% | 0.11% |
| Residue on Ignition | ≤ 0.7% | 0.03% |
| Hydrolysis Products | ≤ 0.1% | Conforms |
| Related Substances | ≤ 0.5% | Conforms |
| Methanol | ≤ 0.1% | Not detected |
| Heavy Metals | ≤ 10ppm | ≤ 5ppm |
| Lead (Pb) | ≤ 1ppm | Not detected |
| Arsenic (As) | ≤ 3ppm | Not detected |
| Assay | 98.0 - 102.0 % (anhydrous basis) | 99.7% |
| Pharmacopoeia Specification(s) | USP | Conforms to USP |

| | |
|-----------------------|------------|
| Specification Version | v1.0 |
| Manufacture Date | 2018-10-03 |
| Re-Test Date | 2028-10-03 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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