

Material No: 9821.2500GL
Batch No: 2504905859
Manufactured Date: 2025/02/18
Expiration Date: 2028/02/18

Certificate of Analysis

| Test | Specification | Result |
|--|-----------------|-----------|
| Assay (by GC) | $\geq 99.9\%$ | 100.0 |
| Residue after Evaporation | ≤ 1 ppm | < 1 |
| Water (H ₂ O) | $\leq 0.01\%$ | < 0.01 |
| LC-Gradient-Diode Array Detection (AU), test solution is modified with 0.1% (v/v) formic acid: | | |
| at 220 nm | ≤ 0.002 | < 0.002 |
| at 254 nm | ≤ 0.001 | < 0.001 |
| LC-MS Gradient Suitability Test (TIC, 100 to 2000 m/z), test solution is modified with 0.1% (v/v) formic acid: | | |
| Positive ESI-MS Sensitive Impurities (as Reserpine) | ≤ 50 ng/ml | < 50 |
| Trace Impurities (in ppb) | | |
| Aluminium (Al) | ≤ 50 | < 50 |
| Calcium (Ca) | ≤ 50 | < 50 |
| Iron (Fe) | ≤ 50 | < 50 |
| Magnesium (Mg) | ≤ 50 | < 50 |
| Potassium (K) | ≤ 50 | < 50 |
| Sodium (Na) | ≤ 50 | < 50 |
| Ultraviolet Absorbance (1.00-cm path vs water): | | |
| at 200 nm | ≤ 0.05 | < 0.01 |
| at 220 nm | ≤ 0.01 | < 0.01 |
| at 254 nm | ≤ 0.01 | < 0.01 |

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For Laboratory, Research or Manufacturing use.
For Use in Liquid Chromatography and Mass Spectrometry
Element concentrations are at time of lot release.

Country of Origin: UNITED STATES

Packaging Site: Gliwice Mfg & DC



Barbara Rykowska
Quality Assurance Coordinator

For questions on this Certificate of Analysis, please contact Customer Service at avantor.emea@avantorinc.com
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