

Material No: 9821.2500GL
Batch No: 2511805854
Manufactured Date: 2025/04/28
Expiration Date: 2028/04/28
Release Date: 2025/04/30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (by GC)	$\geq 99.9 \%$	100.0
Residue after Evaporation	$\leq 1 \text{ ppm}$	< 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)	$\leq 50 \text{ ng/ml}$	< 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



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For questions on this Certificate of Analysis, please contact Technical Service at technical.service@avantorsciences.com
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