

Material No.: 9830-02
Batch No.: 0000236527
Manufactured Date: 2019/06/05
Expiration Date: 2021/06/04
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay (CH ₃ OH) (by GC, corrected for water)	>= 99.9 %	100.0
Appearance	Passes Test	PT
Gradient Elution Test (a.u.) – 254 nm	<= 0.01	< 0.01
Fluorescence Trace Impurities, measured as Quinine Base – at 450 nm Emission	<= 0.30 ppb	< 0.10
Fluorescence Trace Impurities, measured as Quinine Base – at Emission Maximum for Impurities	<= 1.0 ppb	0.3
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.2
Water (H ₂ O)	<= 500 ppm	< 50
LC/MS Suitability – Largest Response on ESI– Positive Mode (as Reserpine)	<= 50 ppb	< 50
Trace Impurities – Aluminum (Al)	<= 50 ppb	< 5
Trace Impurities – * Calcium (Ca)	<= 50 ppb	8
Trace Impurities – Iron (Fe)	<= 50 ppb	< 1
Trace Impurities – Lithium (Li)	<= 30 ppb	< 1
Trace Impurities – Magnesium (Mg)	<= 50 ppb	< 1
Trace Impurities – Nickel (Ni)	<= 30 ppb	< 5
Trace Impurities – Potassium (K)	<= 50 ppb	< 10
Trace Impurities – * Sodium (Na)	<= 50 ppb	< 5

For Laboratory, Research or Manufacturing Use

* May change over time due to extraction from glass container.

Filtered through a 0.2 micron filter.

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Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



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For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
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