



1909 W. Oakridge Dr. Albany, GA 31707  
Phone 859-734-9200 • www.usaliquidnicotine.com

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## Certificate of Analysis

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### 100mg/mL in Propylene Glycol

Lot #: USA-A-3057-3004

Exp. Date: 01-23-17

<u>Test</u>	<u>Specification</u>	<u>Result</u>
<u>Pure Nicotine USP-NF Testing</u>		
Identification (UV)	Conforms to Reference	CONFORMS
Specific Rotation	Between -130° and -143°	-133°
Water (KF)	Not more than 0.5%	0.1%
Heavy Metals,	Not more than 0.002%	NONE DETECTED
Purity (GC Assay)	≥99.0% (Overall Purity) ≤0.5% (Max Single Impurity)	99.9% <0.1%
Assay (Titration)	Conforms to Reference	CONFORMS
Appearance	Clear, yellowish liquid	CONFORMS
<u>Nicotine Blend Testing</u>		
Dilution Assay By Titration	100mg/mL in PG	CONFORMS
Color/Clarity	Colorless-Light Brown/Clear	CONFROMS

*Note: All testing performed according to current USP37-NF32 Nicotine Monograph procedures.  
Propylene Glycol used for diluting final product is USP-NF grade. COA available upon request.*

Approved by:

Wm. H. Jackson II  
January 23, 2015