

Certificate of Analysis

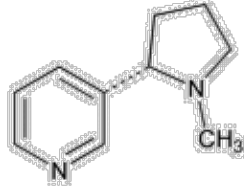
Nicotine <USP>

CAS Number:

XX-XX-X

Lot/Batch Number:

XXXXXX-XXXX



Mfg. Date:

XX/XXXX

Exp. Date:

XX/XXXX

TESTS	SPECIFICATIONS	RESULTS
Description	Colorless to brownish viscous liquid	Colorless viscous liquid
Identification by U.V.	U.V. absorption spectrum of the test solution and the standard solution exhibits maxima and minima at the same wavelength.	Complies
Specific Optical Rotation at 25°C ±0.5°C	Between -130° and -143°	-141°
Water content	Not more than 0.5 % w/w	0.1 %
Heavy Metals	Not more than 0.002 %	Complies
Related Substances By HPLC: Specified Impurities		
Anatabine	Not more than 0.30 %	0.0067 %
P-Nicotryne	Not more than 0.30 %	0.0304 %
Cotinine	Not more than 0.30 %	0.0035 %
Myosmine	Not more than 0.30 %	0.0018 %
Nicotine N'oxide	Not more than 0.30 %	0.0019 %
Nornicotine	0.30 % Not more	0.07 %
Anabasine	Not more than 0.30 %	0.0044 %
Any Unspecified Impurities (Single greatest)	Not more than 0.10 %	Not detected
Sum of Impurities (Identified & Unidentified)	Not more than 0.80 %	0.07%
Assay by Potentiometer on anhydrous basis	Not less than 99.0 % and not more than 101.0 %	100.1 %

Conclusion: This product conforms with the requirements of USP specifications.

Production & Packaging Standard: Complies with GMP

We hereby certify that this is a true copy of the original manufacturer's certificate of analysis.

Storage: Store under nitrogen in well-closed containers below 25°, protected from light and moisture.

Quality Assurance Release

Quality Assurance Manager: Leonid Chagal BSc. MSc.

Sign: _____ Date: _____

Date Issued: 11/02/2017	Revision No.: 1
Approved by: Leonid Chagal, Quality Assurance Manager	Signature & Date: 11/2/2017
Implementation Date: 11/06/2017	Page 1 of 1