CHEM NOVATIC
SOURCE OF GREAT EXPERIENCE

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CERTIFICATE OF ANALYSIS

(INTERNAL DOCUMENT)

Product name: Synthetic Nicotine
Other product name: Beta-Pyridyl-alpha-N-methylpyrrolidine
CAS No: 6912-85-2
Batch No.: NICSYN/V/20190922
Production Date: 22.09.2019
Expiry Date: 21.09.2021

Test item	Specification	Result
Appearance of solution	Colourless to Brownish viscous liquid	Slightly Yellowish viscous liquid
Solubility	Soluble in water, miscible with anhydrous alcohol	Complies
IDENTIFICATION 1. By U.V	UV absorption spectrum of the test solution and the standard solution and the exhibits maxima and minima at the same wavelength.	Complies
IDENTIFICATION 2. By IR	The IR spectrum of the test sample should match with the IR spectrum of Standard spectrum of Nicotine.	Complies
Water	Maximum 0,50 % w/w	0.13 % w/w
Purity by GC	Minimum 99,50 %	99,69 %
IMPURITIES BY GC 1. Single maximum impurity	Maximum 0,20 %	0,07 %
IMPURITIES BY GC 2. Total impurities	Maximum 0,50 %	0,31 %
Special handling instructions	It should be used with in one day once open the container. Otherwise colour becomes dark and purity also comes down.	

The analysis figures mentioned in this certificate only serve as product description and they have been ascertained immediately after production or import of the goods. A legally binding guarantee of certain characteristics or of suitability for a particular application cannot be assumed from this certificate.

Improper transport and/or improper storage can cause change.

The certificate does not release the recipients from the responsibility to carry out their own examinations (on each and every batch) of the characteristics of the product and assume the suitability for intended use.

Chemnovatic suggests using natural nicotine extracted from tobacco leaves as it is much better analyzed and tested substance on the market and its effects are well known.

We suggest using synthetic nicotine only for R&D works. Probable CMR properties are not well known.

..... signature

..... date

..... rubber stamp