

**CERTIFICATE OF ANALYSIS**

(INTERNAL DOCUMENT)

<b>Product name:</b> PureNic 99+ <b>CAS No:</b> 54-11-5 <b>Batch No.:</b> NIC/X/20200608 <b>Production Date:</b> 08.06.2020 <b>Expiry Date:</b> 07.06.2022		
Test item	Specification	Result
<b>Content</b>	Titrimetry: 99.0% - 101.0%	100.03% ± 0.30%
<b>Identification</b>	Complies with EP tests	Complies
<b>Appearance</b>	Visual examination: From clear to light brown	Complies
<b>Specific optical rotation</b>	Polarimetry: -152° to -140°	-150° ± 3%
<b>Nicotine impurity</b>	Impurity A – Anatabin – Maximum 0.3%	Complies
	Impurity B – Beta-nicotyrin – Maximum 0.3%	Complies
	Impurity C – Cotinin – Maximum 0.3%	Complies
	Impurity D – Myosmin – Maximum 0.3%	Complies
	Impurity G – Anabasin – Maximum 0.3%	Complies
	Total impurities – Maximum 0.8%	Complies
	Impurity E – Nicotin N'-oxid – Maximum 0.3%	Complies
	Impurity F – Nornicotin – Maximum 0.3%	Complies
	Unspecified impurities – Maximum 0.1%	Complies
<b>Water</b>	KF - Maximum 0.5%	0.036% ± 2.500%
<b>Storage</b>	Store at about 0°C in a well closed containers, protected from light. Once opened container should be used immediately.	
<b>Shelf life</b>	2 years when properly stored	
<b>Conclusion:</b> This material complies with EP specifications.		

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 clients 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.

signature

date

rubber stamp