

CERTIFICATE OF ANALYSIS

(INTERNAL DOCUMENT)

Product name: Nicotine CAS No: 54-11-5 Batch No.: NIC/X/20170604 Production Date: 04.06.2017 Expiry Date: 03.06.2019		
Test item	Specification	Result
Content	99.0% - 101.0% of (anhydrous basis)	Over 99.9%
Identification	Complies with EP/BP tests	Complies
Appearance of solution	The solution is clear and not more intensely coloured than reference solution Y5, BY5 or R5	Complies
Specific optical rotation	-140° to -152°	-148°
Related Substances	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 E – Nicotin N'-oxid – Maximum 0.3%	Complies
	Impurity F – Nornicotin – Maximum 0.3%	Complies
	Impurity G – Anabasin – Maximum 0.3%	Complies
	Unspecified impurities – Maximum 0.1%	Complies
Water	Maximum 0.5%	0.04%
Storage	Store at about 0°C in a well closed containers, protected from light. Once opened container should be used immediately.	
Shelf life	2 years when properly stored	
Conclusion: 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.

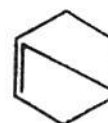
The certificate does not release the consumers from the responsibility to carry out their own examinations (on each and every batch) of the characteristics of the product and assume the suitability for intended use.

Mocheńka

signature

23-06-2017

date



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