

**TYPICAL CERTIFICATE OF ANALYSIS**

Product : Nicotine Polacrilex USP	Page 1 of 1
Reference : US Pharmacopoeia	
Manufactured By : Prism Industries Pvt Ltd.	Product code : NCTP
Self Life (Retest Date) : 2 years	

Sr.No	Test	Specification	Result
1	Appearance	White to off white powder	White powder
2	Identification A , B & C	A) IR Spectrophotometer B) IR Spectrophotometer C) By HPLC	Complies Complies Complies
3	Organic Impurities By HPLC		
3.1	Nicotine related Compound E	NMT 0.30%	Not Detected
3.2	Nicotine related Compound C	NMT 0.30%	0.02%
3.3	Nicotine related Compound F	NMT 0.30%	0.02%
3.4	Nicotine related Compound A	NMT 0.30%	0.01%
3.5	Nicotine related Compound D	NMT 0.30%	0.13%
3.6	Nicotine related Compound G	NMT 0.30%	0.01%
3.7	Nicotine related Compound B	NMT 0.30%	0.05%
3.8	Any Other Unspecified Impurity	NMT 0.10%	0.01%
3.9	Total Impurities	NMT 0.80%	0.28%
4	Loss on drying	NMT 7.0%	6.38%
5	Assay Nicotine (On dried basis)	95.0% to 115.0%	100.13%
		19.0% to 23.0%	20.20%
6	Nicotine Release(On dried basis)	NLT 70% release in 10 minutes	73.58%
REMARK : As opinion of under signed product is <u>Complies</u> / Does not Complies as per USP.			

	Prepared By (QC Chemist)	Checked By (QC Sr. Chemist)	Approved By (QC In charge)
Name	Nitin Solanki	Sohil Darji	Bhavesh Chauhan
Sign & Date	 10/01/25	 10/01/25	 10/01/25

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