



Product Specification Sheet

NICOTINE USP

Parameter	Method	Acceptance Criteria (Monograph) ¹
Identification	USP<197U>	UV absorption spectra of test solution and the standard solution exhibit maxima and minima at the same wavelengths.
Specific Rotation	USP <781S>	-130° to -143°
Heavy Metals	USP <231> Method II	NMT 0.002%
Water Determination	USP <921> Method I	NMT 0.5%
Chromatographic Purity	USP <621>	No single impurity >0.5% Total impurities NMT 1.0%
Titrimetric Assay	USP <541>	99.0 % -101.0%
Residual Solvent	USP <467>	USP Limit (ppm) Heptane – 5000 ppm

Comments: ¹Refers to USP 36-NF31s2 (Monograph is Nicotine)

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