



Certificate of Analysis

Minoxidil USP

Catalog Number: MN1003
Lot Number: 0523701
CAS Number: 38304-91-5
Synonym(s): 6-(1-Piperidinyl)-2,4-pyrimidinediamine 3-oxide, 6-(1-Piperidinyl)pyrimidine-2,4-diamine 3-oxide
Molecular Formula: C₉H₁₅N₅O
Molecular Weight: 209.25
Storage: 15°C – 30°C
Date of Manufacture: November 1, 2016
Retest Date: October 30, 2020

Test	Specification	Result
Appearance	White to off-white crystalline powder	Conforms
Assay	97.0 – 103.0%	99.9%
Identification (FTIR)	To match reference spectra	Conforms
Solubility	Soluble in EtOH, propylene glycol, sparingly in MeOH, slightly in water	Conforms
Moisture (LOD)	≤ 0.5%	0.13%
Organic Impurities	≤ 1.5%	0.29%
Heavy Metals	≤ 20ppm	< 20ppm
Residual Solvents (GC)	MeOH ≤ 3000ppm	< 3000ppm

Approved by:

Date: May 23, 2017

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