



## Specification

### Minoxidil USP

**Catalog Number:** MN1003  
**CAS Number:** 38304-91-5  
**Synonym(s):** 6-(1-Piperidiny1)-2,4-pyrimidinediamine 3-oxide, 6-(1-Piperidiny1)pyrimidine-2,4-diamine 3-oxide  
**Molecular Formula:** C<sub>9</sub>H<sub>15</sub>N<sub>5</sub>O  
**Molecular Weight:** 209.25  
**Storage:** 15°C – 30°C  
**Retest Date:** Four years after date of manufacture.

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

Approved by:

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