

## Certificate of Analysis

<b>Product Name</b>	Ciclopirox			
<b>Batch No.</b>	<b>Released Date</b>	<b>Quantity</b>	<b>Mfg. Date</b>	<b>Retest Date</b>
CP20230204	2023.02.13	1kg	2023.02.03	2026.02.02

<b>Items</b>	<b>Acceptance Criteria</b> ( USP 2022)	<b>Results</b>
<b>Appearance</b>	White or yellowish-white, crystalline powder	White crystalline powder
<b>Identification</b>		
Infrared absorption	Corresponds to that of reference standard	Complies
<b>Loss on drying</b>	Not more than 1.5%	0.1%
<b>Residue on ignition</b>	Not more than 0.1%	0.02%
<b>Related compounds</b>		
<b>at 220nm</b>		
Ciclopirox related compound A	Not more than 0.5%	Not detected
<b>at 298nm</b>		
Single unspecified impurity	Not more than 0.10%	Not detected
<b>at 298nm</b>		
Total impurities	Not more than 0.5%	Not detected
<b>Residual solvent</b>		
Dichloromethane	Not more than 600ppm	Not detected
Methanol	Not more than 3000ppm	75ppm
Acetone	Not more than 5000ppm	1424ppm
Ethyl acetate	Not more than 5000ppm	Not detected
<b>Assay</b>	Not less than 98.0 percent and not more than 101.0 percent of ciclopirox (C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub> )	100.5%

**Conclusion** Complies with the specifications of USP 2022

