

CERTIFICATE OF ANALYSIS

Product Name	Ciclopirox ethanolamine	Batch NO.	RY200119
Production date	2018.10.30	Expired Date	2020.10.29
CAS NO.	41621-49-2	Standard	EP9.5 standard
Tests	Limits	Test results	
Appearance	White to pale yellow crystalline Powder	White crystalline powder	
Identification	A: infrared absorption corresponds to that of reference standard	Conforms	
	B: Thin-layer chromatography corresponds to that of reference standard	Conforms	
Appearance of solution	The solution is clear and not more intensely coloured than reference solution BY7	Conforms	
Related substances	Impurity A at 220nm \leq 0.5%	N.D.	
	Impurity B at 298nm \leq 0.5%	N.D.	
	Impurity C at 298nm \leq 0.5%	N.D.	
	Any individual impurity at 298nm \leq 0.1%	N.D.	
	The total impurities at 298nm \leq 0.5%	N.D.	
Loss on drying	\leq 1.5%	0.06%	
Sulfated ash	\leq 0.1%	0.02%	
Water content	\leq 5.0%	4.41%	
Assay (2-Aminoethanol)	22.25~23.3%	22.6%	
Assay(Ciclopirox)	76.0%~78.5%	77.3%	
Conclusion: This batch meets EP9.5 standard.			

Tested by: Esther

Checked by: Alice

Approved by: Mich