



CERTIFICATE OF ANALYSIS

Product name	Butenafine HCl	Batch No	19030901
Mfg.Date	2019-03-09	Exp.Date	2021-03
Report Date	2019-03-15	Quantity	325kg

Items	Standard	Test results
Description	White crystalline powder	Conforms
	It is very soluble in formic acid, freely soluble in methanol, ethanol(99.5),slightly soluble in water. The PH of water solution obtained by dissolving of 0.2 g of Butenafine hydrochloride in 100ml of water by warming, and cooling, is between 3.0 and 4.0.	Conforms
Meltin poine	About 214°C (with decomposition)	212°C
Identification	1.Both spectra exhibit similar intensities of absorption at the same wavelengths.	Conforms
	2.Both spectra exhibit similar intensities of absorption at the same wave numbers.	Conforms
	3.For chloride	Conforms
Related substances:	Relative retention time 0.16 impurity<0.03%	N.D.
	Any other impurity≤0.1%	0.09%
	Total impurity≤1.0%	0.33%
Heavy metals	Not more than 10ppm	Conforms
Loss on drying	Not more than 0.1%	0.08%
Residue on ignition	Not more than 0.10%	0.07%
Assay	Not less than 99.0-101.0%	99.5%
Conclusion	Conforms to JP16.	

Analyst : Lili

Checker: Wangyuan

Supervisor :Lihong