

CERTIFICATE OF ANALYSIS

Product Name:	Brimonidine Tartrate		
Batch No.	BMDT-230401	Quantity	2.6kg
Manufacturing Date	April 8, 2023	Report Date	April 10, 2023
Retest Date	April 7, 2025	CAS No.	70359-46-5
Analytical Results			
Items	Specifications		Results
Appearance	White or slightly yellowish or slightly brownish powder		Conforms
Identification	A. Specific optical rotation		Conforms
	B. Infrared absorption spectrophotometry		Conforms
Solubility	Soluble in water, practically insoluble in anhydrous ethanol and in toluene		Conforms
Specific optical rotation	+9.0°~+10.5°		+10.2°
Loss on drying	≤0.5%		0.21%
Sulfated ash	≤0.2%		0.08%
Heavy metals	≤20ppm		Conforms
Residual Solvents	Bromobenzene ≤360ppm		Conforms
	Acetone ≤3000ppm		Conforms
Related substances	Specified impurities:		
	N-(imidazolidin-2-ylidene)quinoxalin-6-amine ≤0.1%		Conforms
	5-bromoquinoxalin-6-amine ≤0.1%		Conforms
	Quinoxalin-6-amine ≤0.1%		Conforms
	1-(5-bromoquinoxalin-6-yl)thiourea ≤0.1%		Conforms
	2-(5-bromoquinoxalin-6-yl)guanidine ≤0.1%		Conforms
	5-bromo-N-(1H-imidazol-2-yl)Quinoxalin-6-amine ≤0.1%		Conforms
	1-(2-aminoethyl)-3-(5-bromoquinoxalin-6-yl)urea ≤0.1%		Conforms
	Unspecified impurities ≤0.1%		Conforms
	Total ≤0.2%		0.1%
Assay (On Dried Basis)	99.0% ~ 101.0%		99.90%
Conclusion	The product complies with BP2015 and EP10 standard		

Inspector: Carlifor Wu

Verifier: Jack He