

CERTIFICATE OF ANALYSIS

Product Name:	Hydrochlorothiazide		
Batch No.	C01-20231210	CAS No.	58-93-5
Manufacturing Date	November 26, 2023	Expiry Date TO	November 25, 2026
Quantity	50 KG	Quality Standard	USP 43 and In-house
Analytical results			
Items	Specifications		Results
Appearance	White,or practically white,practically odorless,crystalline powder.		White,practically odorless, crystalline powder
Identification	A. IR Absorption		Conforms
	B.UV Absorption		Conforms
Loss on drying	≤0.5%		0.10%
Residue on ignition	≤0.1%		0.02%
Chloride	≤0.035%		Conforms
Selenium	≤0.003%		Conforms
Heavy metals	≤0.001%		Conforms
Related compounds	Benzothiadiazine related compound A≤1.0%		0.20%
	Chlorothiazide≤0.5%		0.07%
	5-Chlorohydrochlorothiazide≤ 0.5%		N.D.
	Hydrochlorothiazide dimer≤ 0.5%		N.D.
	Any other individual impurity≤0.5%		0.08%
	Total other impurities≤0.9% (excluding Benzothiadiazine related compound A)		0.21%
Assay	98.0~102.0%,on an dried substance		100.50%
Additional items (In-house) Residual Solvents	Methanol ≤3000ppm		N.D.
	Ethanol≤5000ppm		N.D.
Formaldehyde	≤15ppm		<15ppm
Packaging and storage	Keep in tight containers.protected from light		
Conclusion	All the results conform to the requirement of USP43 and In-house.		

Inspector: Carlifor Wu

Verifier: Jack He