

Certificate of Analysis

<i>Product</i>	Hydrochlorothiazide	<i>Batch Number</i>	TNJ20160122015
<i>CAS No.</i>	58-93-5	<i>Packing</i>	25kg /drum
<i>M. F.</i>	C ₇ H ₈ ClN ₃ O ₄ S ₂	<i>MFG Date</i>	Jan., 22, 2016
<i>N.W.</i>	600.00kg	<i>Analysis Date</i>	Jan., 22, 2016
<i>G.W.</i>	606.00kg	<i>Retest Date</i>	Jan., 21, 2019

Items	Specification	Testing Results
<i>Appearance</i>	White, or practically white, practically odorless, crystalline powder.	White, practically odorless, crystalline powder.
<i>Identification</i>	A IR Absorption	Conforms
	B UV Absorption	Conforms
<i>Loss on drying</i>	≤0.5%	0.09%
<i>Residue on ignition</i>	≤0.1%	0.02%
<i>Chlorides</i>	≤0.035%	Conforms
<i>Selenium</i>	≤0.003%	Conforms
<i>Heavy metals</i>	≤0.001%	Conforms
<i>Organic Impurities</i>	Benzothiadiazine related compound A≤1.0%	0.42%
	Chlorothiazide≤0.5%	Not detected
	5-chlorohydrochlorothiazide≤0.5%	Not detected
	Hydrochlorothiazide dimer≤0.5%	0.07%
	Any other individual impurity≤0.5 %	Not detected
	Total other impurities≤0.9%(excluding Benzothiadiazine related compound A)	0.07%
<i>Assay</i>	98.0-102.0%(Calculated on the dried basis)	99.6%
<i>Additional items(In-house)</i>		
<i>Residual Solvents</i>	Methanol≤3000ppm	Not detected
	Ethanol≤5000ppm	Not detected
<i>Formaldehyde</i>	≤15ppm	<15ppm
<i>Prepared by</i> Dong Mei	<i>Checked by</i> Wang Tianyi	<i>Approved by</i> Liu Wu
<i>Conclusion</i>	The Quality of the above said is in conformity with USP38 and In-house.	
<i>Storage</i>	Stored in dry and ventilation place, far from heat and water.	
<i>COA Issuer</i>	Quality Control Team-Technology Department	

