



CERTIFICATE OF ANALYSIS

Product: Tolvaptan Intermediate
Chemical name: 7-Chloro-1,2,3,4-Tetrahydrobenzo[b]Azepin-5-one[CAS:160129-45-3]
Batch No: 20101019-2
Manufacturing Date: Oct., 2010
Expiry Date: Oct., 2012
Analysis report number: 20101019-2
Quantity: 3.0 Kgs

Items	Specifications	Results
Appearance:	light yellow or green crystalline powder	Complies
Solubility:	freely soluble in absolute methanol, absolute alcohol and ethyl acetate, slightly soluble in ethyl ether, practically in soluble in water	Complies
Identification:	HPLC	Complies
Melting Point:	95~105°C	100~102°C
Total impurity:	2.0%max.	0.6%
Single impurity:	1.0%max.	0.14%
Loss on drying:	1.0%max.	0.6%
Residue on ignition:	0.1%max.	0.05%
Assay:	98.0%min.	99.4%

Conclusion:It Complies with the Enterprise's Standard .

QC manager:01

Checked by:05

Analyst:06