

Joyochem Co., Ltd.

CERTIFICATE OF ANALYSIS

Product	5,6,7,7a-Tetrahydrothieno[3,2-c]pyridine-2(4H)-one hydrochloride		
	CAS: 115473-15-9		
Batch No.	20141106	Mfg. Date	Nov. 6, 2014
Test Date	Nov. 6, 2014	Exp. Date	Nov. 5, 2016
Items	Specifications		Results
Appearance	White to cream crystalline powder		cream crystalline powder
Identification	The retention time of the major peak in the chromatogram of the test preparation corresponds to that in the chromatogram of the reference preparation		Conforms
Related Substance	Single impurity $\leq 1.0\%$		Conforms
	Total impurity $\leq 2.0\%$		Conforms
Moisture	$\leq 0.5\%$		0.11%
Residue on ignition	$\leq 0.1\%$		0.01%
Heavy metal	$\leq 10\text{ppm}$		Conforms
Assay	98.5--101.5% (calculated by dried $\text{C}_7\text{H}_9\text{NOS}\cdot\text{HCl}$)		99.3%
Conclusion: this product conforms with the in-house specification			
Chief of QC: Li de Checker: Zhang Dechen Analyst: Zhao wenfei			

website: www.jychem.cc

Tel: 86-531-82687326 Fax: 86-531-82687996