## **Career Henan Chemical Co**

National University Science Park, Henan, China Tel: +86-371-56618766 | Fax: +86-371-86658258

## **CERTIFICATE OF ANALYSIS**

Product Name:	Lidocaine hydrochloride	CAS NO:	73-78-9
Molecular Formula:	C14H23CIN2O	Constitutional Formula :	
Molecular Weight:	270.8	THO H	
Manufacture date:	2019.03.21		
Batch No.:	20190321		
Expiration date	20210320		
			Cl
Test Items	Specification	Test Results	
Appearance	White to off-white crystalline powder	White crystalline Powder	
Solubility	Very soluble in water; Freely soluble in ethanol	Complies	
	(96 %)		
Appearance of	5.0 % w/v solution in carbon dioxide-free	Complies	
solution	water is		
	clear &colorless		
Identification	B) To Comply IR test.	Clear	and colorless
	D) It gives reaction (a) of chlorides		
Related Substances	Impurity-A: 0.01 %		0.0016%
(by HPLC)			
	Single unknown impurity: 0.10%		0.0144%
	Total Impurity: 0.5 %	0.0397 %	
рН	Between 4.0 to 5.5	4.75	
Heavy Metals	Not more than 5 ppm	Complies	
Sulphated Ash	Not more than 0.1 % w/w	0.07 % w/w	
Water	Between 5.5 and 7.0 % w/w	6.10%	
Assay	NLT 99.0 % and NMT 101.0% of CuH^NpO.HCL	99	0.64 % w/w
	on anhydrous f basis		
Residual Solvents	Acetone: NMT 5000 ppm		Conforms
	Toluene: NMT 890 ppm		
Conclusion	The results conform to the EP8		

Analyst: 连俊昊



Supervisor:

