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CERTIFICATE OF ANALYSIS

Product Name:	L-Histidine	CAS No.:	71-00-1
Quantity:	500kgs	Manufacture Date:	Jul 23, 2014
Batch No.:	60143024	Analysis Date:	Jul 27, 2014
Quality Standard:	USP33	Expiry Date:	Jul 22, 2016
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Test Items	Limit	Result	
Appearance	white or almost white crystalline powder or colourless crystals	conform	
Identification	as per USP33	conform	
Specific rotation	+12.6° to +14.0°	+12.9°	
pH	7.0 to 8.5	7.6	
Loss on drying	not more than 0.2%	0.14%	
Residue on ignition	not more than 0.4%	0.04%	
Chloride	not more than 0.05%	<0.05%	
Sulfate	not more than 0.03%	<0.03%	
Iron	not more than 0.003%	<0.003%	
Heavy metals	not more than 0.0015%	<0.0015%	
Chromatographic purity	as per USP33	conform	
Residual solvents	as per USP33	conform	
Assay	98.5% to 101.5%	99.7%	
Conclusion: The products conform to USP33 standards			
Analyst: 涂静 陈艳玲 张冰 罗士明		Verifier: 郭川	
Storage: Preserve in well-closed containers and protected from light			

