

## LANOSPHERMA LABORATORIES Co.,Ltd

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B2-4-6, No.180, Yuzhou Road, Yuzhong District, 400042, Chongqing, China

**CERTIFICATE OF ANALYSIS** [For reference]

## 分析报告

Product Name	Doxorubicin Hydrochloride	CAS No.	25316-40-9
Batch No.	20110120	Quantity	1.0g
MFG. Date	Jan .20, 2011	EXP. Date	Jan .19, 2013

test

Items	Specifications	Results
Appearance	Orange red powder	Orange red powder
Identification	IR	Conforms
Melting point	198-203 °C	198.3-199.5 °C
Crystallinity	Meets the requirements	-187.1°
Water	≤4.0%	1.4%
Residue on ignition	≤0.1%	0.05%
Heavy metals	≤0.001%	<0.001%
Limit of solvent residues		
Acetone	≤0.5%	Conforms
total of acetone and alcohol	≤2.5%	Conforms
Total impurities	≤2.0%	1.5%
Assay (HPLC)	98.0%-102.0%	99.4%
pH	4.5-5.5	5.02
Solubility	Soluble in water, in isotonic sodium chloride solution and in methanol, practically insoluble in chloroform, in ether and in other organic solvents	Conforms

Conclusion: the test result complies with the Required specification

负责人:  
Responsible  
Person:

复核人:  
Checker:

检验人:  
Analyst:

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