

## Certificate of Analysis

Product Name	Doxorubicin hydrochloride		
Batch No.	20170227	Quantity	1kg
MFG. Date	Feb,27,2017	Retest. Date	Feb,26,2019
CAS No.	25316-40-9	Specs	USP37
ITEMS	SPECIFICATION		RESULTS
Appearance	Orange-red or red crystalline powder		Conforms
PH	4.0-5.5		4.9
Water content	≤4.0%		2.1%
Impurity A(doxorubicinone)	≤0.5%		0.25%
Any other unknow impurity	≤0.2%		0.11%
Total unknow impurity	≤0.5%		0.31%
Total impurity	≤2.0%		0.86%
Acetone	≤0.5%		0.40%
Acetone+Ethanol	≤2.5%		1.0%
Dichloromethane	≤ 0.06%		Not detected
Methanol	≤ 0.3%		0.09%
Assay(anhydrous,solve nt-free basis)	98.0% to 102.0%		99.64%
Conclusion	<b>Up to the Standard(USP37)</b>		
Remarks			
Storage	Store in 2-8° C. Keep container tightly closed in a dry and		



Quality Control Dept:

Analyst:

Inspector:



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well-ventilated place.



Quality Control Dept:

Analyst:

Inspector:

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