



INDOFINE Chemical Company, Inc.

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-CERTIFICATE OF ANALYSIS-

Product:	Doxorubicin hydrochloride	
Code No:	BIO-172	
CAS No:	25316-40-9	
Formula:	$C_{27}H_{29}NO_{11}.ClH$	
Batch No:	450776	
Appearance:	Red-orange crystalline powder	
Solubility:	Soluble in water. Practically insoluble in chloroform.	
Identity:	Conforms with reference standard (HPLC)	
Crystallinity:	Meets the requirements of USP	
pH:	5.34 (0.5% w/v solution)	
Water Content:	0.45% by KF	
Assay:	99.04% by HPLC (on anhydrous basis)	
Bacterial endotoxins:	<1.1 EU/mg	
Impurities:	Methanol:	6ppm
	Dichloromethane:	1ppm
	1,4-Dioxane:	Not detected
	Chloroform:	Not detected
	n-propanol:	Not detected
Expiry date:	January, 2017	