



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

-CERTIFICATE OF ANALYSIS-

Product:	Doxorubicin hydrochloride	
Code No:	BIO-172	
CAS No:	25316-40-9	
Formula:	$C_{27}H_{29}NO_{11} \cdot ClH$	
Batch No:	420119	
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:	5.31 (0.5% w/v solution)	
Water Content:	0.93% by KF	
Assay:	98.40% by HPLC (on anhydrous basis)	
Bacterial endotoxins:	<1.1 EU/mg	
Impurities:	Methanol:	14ppm
	Dichloromethane:	9ppm
	1,4-Dioxane:	Not detected
	Chloroform:	Not detected
	n-propanol:	20ppm