



CERTIFICATE OF ANALYSIS

ZORUBICIN

TESTS	Specifications	Results
CAS NUMBER	--	54083-22-6
MOLECULAR FORMULA	--	645.65g/mol
Appearance	Orange red crystalline hygroscopic powder	Conforms
Solubility	Lightly soluble in water or methanol ,slightly soluble in ethanol, practically in soluble in chloroform or in acetone	Conforms
Identification	IR, HPLC, Deposition from silver nitrate	Conforms
PH	4.5~6.5	5.4
Water	≤3.0%	0.25%
Related substance		
Any other impurity	≤1.5%	0.37%
Total impurities	≤3.0%	1.1%
Assay (HPLC)	C ₂₇ H ₂₉ NO ₁₀ 84.2~103.0%	99.0%