



CERTIFICATE OF ANALYSIS

PIRARUBICIN

TEST	RESULTS
Description	Orange-Red Crystalline Powder
Identification	Conforms
Crystallinity	Conforms
PH	4.9 (Limit 4.0 – 5.5)
Water	1.9% (Limit NMT 4.0%)
Ethanol	0.5% (Limit NMT 2.0%)
Chromatographic Purity	0.4% (Limit NMT 2.0%)
Acetone	0.2% (Limit NMT 0.5%)
Dichloromethane	Absent (Limit less than 100 ppm)
Methanol	Absent (Limit less than 100 ppm)
Depressor Substances	Conforms
Assay (on dry basis)	98.7% (Limit 98% - 102%)