



CERTIFICATE OF ANALYSIS

ZALCITABINE

Item	Specification	Result
Characters	A white to almost white crystalline powder	Conforms
Water	Not more than 0.3%	0.20%
Specific optical rotation	$+73^{\circ} \sim +77^{\circ}$	$+73.74^{\circ}$
Residue on ignition	Not more than 0.1%	0.04%
Heavy metals	Not more than 0.002%	Conforms
Individual impurities	Not more than 0.3%	0.15%
Total impurities	Not more than 2.0%	0.35%
Ordinary impurities	The total of any ordinary impurity does not exceed 2.0%	0.12%
Assay	98.0%~102.0%	99.5%
Conclusion:	Up to the standard of USP25	