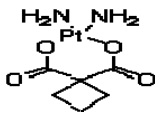




CERTIFICATE OF ANALYSIS

NO: DYC081504081

Product name	Carboplatin (USP35)
CAS Number	41575-94-4
Molecule Formula	C ₆ H ₁₂ N ₂ O ₄ Pt
Molecule Structure	
Batch number	20140925
Manf. Date&Exp. Date	2014-09-25, 2017-09-24
Testing date	2014-09-26

Items	Standard	Result
Appearance	White crystalline powder	Comply
Identification	IR: the infrared absorption spectrum exhibits maximum only at the same wavelengths as that of the standard sample	Comply
Crystallinity	Meets the requirement	Comply
Appearance of solution	soluble in water, very slightly soluble in acetone and alcohol	Comply
PH	5.0~7.0	6.8
Acidity	To 10ml of solution S1 add 0.1ml of phenolphthalein solution R1, the solution is colourless, not more than 0.7 ml of 0.01M sodium hydroxide is required to change the colour of the indicator to pink	Comply
Water content	≤0.5%	0.007%
Transmittance	≥97%	99.0%
Water-insoluble matter	≤0.5%	N. D
Limit of 1,1-cyclobutane-dicarboxylic acid	≤0.5%	N. D
Cisplatin	0.25% max	N. D
Chromatographic purity	Individual impurity: ≤0.1% All impurities: ≤0.5%	0.002% 0.007%
Platinum content	52.0%~53.0%	52.5%
Residue solvents	Ethanol: 5000ppm max Aether: 5000ppm max	N. D N. D
Assay	98.0%-102.0%	99.7%
Bacterial endotoxins	0.54EU/mg max	Complies
Conclusion	Complies with standard of USP35.	

Hangzhou Dingyan Chem Co., Ltd.
Quality Control
QUALITY CONTROL:  CHECK: 姚仙娟 INSPECTOR: 刘清风