



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202093
Lot Number: SAMPLE
Product Name: Carboplatin
CAS Number: 41575-94-4
Molecular Formula: $C_6H_{14}N_2O_4Pt$
Molecular Weight: 371.3

Test	Specification	Result
Appearance	White crystalline powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity	98 - 102%	99.6%
pH	5.0 - 7.0	6.1
Solubility	Sparingly soluble in water; Very slightly soluble in acetone and alcohol,	Complies
Water Insoluble Matter	$\leq 0.5\%$	0.11%
Transmittance	$\geq 97\%$	99.2%
Single Impurity	$\leq 0.25\%$	0.01%
Total Impurities	$\leq 0.5\%$	0.03%
1,1-Cyclobutanedicarboxylic acid	$\leq 0.5\%$	Negative
Ethanol	≤ 5000 ppm	150 ppm
Ether	≤ 5000 ppm	Negative
Platinum	52.0 - 53.0%	52.6%
Water Content	$\leq 0.5\%$	0.02%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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