



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-207594
Lot Number: SAMPLE
Product Name: Docetaxel Trihydrate
CAS Number: 148408-66-6
Molecular Formula: $C_{43}H_{59}NO_{17}$
Molecular Weight: 861.93

Test	Specification	Result
Appearance	White crystalline powder	Complies
Assay	98% ~ 102%	100.3%
Identification (HPLC)	Retention time of sample corresponds with that of the standard sample	Complies
Identification (Infrared Spectrum)	Spectrum of the sample preparation should be identical to that of the standard sample	Complies
Purity (HPLC)	≥99.5%	99.60%
Residue on Ignition	≤0.1%	Complies
Specific Rotation	-40° ~ -47°	-44.5°
Heavy Metals	≤20ppm	Complies
Impurity	≤0.1%	0.07%
Organic Volatile Impurities	Ethyl acetate ≤ 0.08% Methanol ≤ 0.05% Toluene ≤ 0.02% Methylene dichloride ≤ 0.02% Petroleum ether ≤ 0.05%	0.02% Not detected Not detected Not detected Not detected
Total Impurities	≤0.5%	0.40%
Water Content	5.0% ~ 7.0%	6.1%

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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