



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-210845
Lot Number: SAMPLE
Product Name: Atracurium Besylate
CAS Number: 64228-81-5
Molecular Formula: $C_{65}H_{82}N_2O_{18}S_2$
Molecular Weight: 1243.48

Test	Specification	Result
Appearance	White to yellowish-white powder, slightly hygroscopic, odorless	Complies
Assay (HPLC, dry basis)	96.0 - 102.0%	98.9%
Chromatographic Purity	Laudanosine: $\leq 0.5\%$ Any other individual impurity: $\leq 1.0\%$ Total impurities: $\leq 3.5\%$	0.04% 0.38% 0.90%
Identification	IR: Conforms HPLC: Conforms	Complies Complies
Isomer Ratio	Trans-trans isomer: 5.0% - 6.5% Cis-trans isomer: 34.5% - 38.5% Cis-cis isomer: 55.0% - 60.0%	5.6% 35.5% 58.9%
Residual Solvents	Dichloromethane: ≤ 600 ppm Acetonitrile: ≤ 410 ppm Ethyl ether: ≤ 5000 ppm	Negative Negative 3474 ppm
Residue on Ignition	$\leq 0.2\%$	0.2%
Solubility	Very soluble in acetonitrile and chloroform, soluble in water and practically insoluble in ether	Complies
Heavy Metals	≤ 20 ppm	< 20 ppm
Methyl benzenesulfonate	$\leq 0.01\%$	0.00004%
Toluene	≤ 890 ppm (ICH)	91 ppm
Water Content	$\leq 5.0\%$	0.5%

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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