



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-361270C
Lot Number: SAMPLE
Product Name: Nalmefene hydrochloride
CAS Number: 58895-64-0
Molecular Formula: $C_{21}H_{25}NO_3 \cdot HCl$
Molecular Weight: 375.89

Test	Specification	Result
Appearance	White to off-white powder	Off-white powder
Assay (HPLC)	> 98% (anhydrous basis)	99.6%
Assay (Titration)	98.0 - 102.0%	100.1%
Identification	IR is concordant with standard	Complies
Specific Rotation	-155° to -175° (anhydrous basis)	-162.8°
Related Substances	Naltrexone HCl: < 0.5% Other impurities: < 0.1% Total impurities: < 1.0%	0.36% 0.05% 0.37%
Sulfated Ash	< 0.1%	0.07%
Water Content	4.5 - 7.0%	5.6%

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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