



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-264146
Lot Number: SAMPLE
Product Name: Proparacaine hydrochloride
CAS Number: 5875-06-9
Molecular Formula: $C_{16}H_{26}N_2O_3 \cdot HCl$
Molecular Weight: 330.85

Test	Specification	Result
Appearance	White to light yellow crystalline powder	Complies
Assay	$\geq 99\%$	99.78%
Identification (Infrared Spectrum)	Conforms	Complies
Melting Point	178-185°C	179.5°C
Residue on Ignition	$\leq 0.15\%$	0.10%
Solvent Content	Ethanol $\leq 0.5\%$ Acetone $\leq 0.5\%$ Dimethylbenzene $\leq 0.217\%$	Complies Complies Negative
Heavy Metals	≤ 10 ppm	Complies
Loss on Drying	$\leq 0.5\%$	0.1%
Related Substances	Single impurity $\leq 0.2\%$ Total impurity $\leq 1.0\%$	0.081% 0.220%

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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