



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-279283
Lot Number: SAMPLE
Product Name: Loxoprofen sodium
CAS Number: 80382-23-6
Molecular Formula: $C_{15}H_{17}O_3 Na$
Molecular Weight: 268.286

Test	Specification	Result
Appearance	White or light yellow crystalline powder	Complies
Assay	≥99% (calculated on dried substance)	99.9%
Identification	Chemical reaction (Conforms to structure)	Complies
Identification (Infrared Spectrum)	Conforms to structure	Complies
Identification (UV)	Conforms to structure	Complies
Clarity of Solution	The solution is clear and colorless or pale yellow. The color is not darker than that of diluted Matching Fluid for Color A (1 in 2)	Clear and colorless
pH	6.5-8.5	8.1
Solubility	Freely soluble in water and methanol; Soluble in 95% ethanol; Practically insoluble in diethyl ether.	Complies
Color of Solution	The solution is clear and colorless or pale yellow. The color is not darker than that of diluted Matching Fluid for Color A (1 in 2)	Clear and colorless
Heavy Metals	≤10 ppm	Complies
Related Substances	The spots other than the principal spot from the sample solution are not more intense than the spot from the standard solution.	Complies
Water Content	11.0-13.0%	12.4%

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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