



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-219934 S
Lot Number: SAMPLE
Product Name: Ramelteon
CAS Number: 196597-26-9
Molecular Formula: $C_{16}H_{21}NO_2$
Molecular Weight: 259.34

Test	Specification	Result
Appearance	White to off-white powder	Complies
Purity (HPLC)	$\geq 99\%$	99.86%
Melting Point	112-116° C	114.9-115.6° C
Residue on Ignition	$\leq 0.2\%$	0.05%
Specific Rotation ($\alpha_{20/D}$)	-55° to -60°	-56.7°
Heavy Metals	≤ 20 ppm	Complies
Loss on Drying	$\leq 0.5\%$	0.21%
Related Substances	Single impurity $\leq 0.3\%$ Total impurities $\leq 1.0\%$	0.09% 0.14%

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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