



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203609  
Lot Number: SAMPLE  
Product Name: Ivermectin  
CAS Number: 70288-86-7  
Molecular Formula:  $C_{48}H_{74}O_{14}$  (B<sub>1</sub>a form)  
Molecular Weight: 875.1

Test	Specification	Result
Appearance	White or yellowish-white crystalline powder	Complies
Assay	Bla $\geq 90\%$ 102% $\geq$ (Bla+B1b) $\geq 95\%$	95.8% 98.0%
Identification (HPLC)	Conforms	Complies
Identification (Infrared Spectrum)	Conform	Complies
Solution	Clear and not more intensely colored than reference solution BY7	Complies
Specific Rotation	-17° - -20°	-18.2°
Heavy Metals	$\leq 20$ ppm	<20 ppm
Related Substances	Impurity with a relative retention of 1.3 to 1.5 $\leq 2.5\%$ Any other impurity (apart from the 2 principal peaks) $\leq 1.0\%$ The sum of all related sub.	2.1% 0.5% 3.1%
Sulfated Ash	$\leq 0.1\%$	<0.1%
Water Content	$\leq 1.0\%$	0.4%

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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