



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-252784  
Lot Number: SAMPLE  
Product Name: Physostigmine salicylate  
CAS Number: 57-64-7  
Molecular Formula:  $C_{15}H_{21}N_3O_2 \cdot C_7H_6O_3$   
Molecular Weight: 413.47  
Native Source: Synthetic

Test	Specification	Result
Appearance	White to pale brown solid	White to off-white solid
Identification (NMR)		Complies
Identification (Mass Spectrometry)		Complies
Purity (HPLC)	>95%	99.26% (250 nm)
Purity (TLC)		97%
Elemental Analysis	%C: 63.91, %H: 6.58, %N: 10.16	%C: 64.33, %H: 6.65, %N: 10.24
Solubility		DMSO (Slightly), Methanol (Slightly, Sonicated)
Specific Rotation		-80.7° (c = 0.2, Methanol)

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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