



## CERTIFICATE OF ANALYSIS

### IPRATROPIUM BROMIDE

CAS Number 66985-17-9  
Molecular Formula  $C_{20}H_{30}BrNO_3 \cdot H_2O$   
Molecular Weight 430.40

TEST	SPECIFICATION
ASSAY (ANHYDROUS BASIS)	99.0 - 100.5 %
APPEARANCE OF SOLUTION	-- TO PASS TEST
pH OF A 1% SOLUTION	5.0 - 7.5
OPTICAL ROTATION	-0.10 TO+0.10
WATER	3.9 - 4.4 %
RELATED SUBSTANCES	-- TO PASS TEST
APO-IPRATROPIUM	-- 0.5 %
SULPHATED ASH	-- 0.1 %
IDENTIFICATION	-- TO PASS TEST