



## CERTIFICATE OF ANALYSIS

### PROPRANOLOL HCL

CAS Number 318-98-9  
Molecular Formula C<sub>16</sub>H<sub>21</sub>NO<sub>2</sub>.HCl  
Molecular Weight 295.80

TEST	SPECIFICATION
ASSAY (DRIED BASIS)	98.0 - 101.5 %
MELTING RANGE	162 - 165 C
SPECIFIC ROTATION [α] <sub>D</sub> (C=0.04;water)	-1.0 TO +1.0
LOSS ON DRYING	-- 0.5 %
RESIDUE ON IGNITION	-- 0.1 %
IDENTIFICATION	-- TO PASS TEST
EXPIRATION DATE	