



CERTIFICATE OF ANALYSIS

METOPROLOL TARTRATE

CAS Number 56392-17-7
Molecular Formula $C_{30}H_{50}N_2O_6 \cdot C_4H_6O_6$
Molecular Weight 684.81

| TEST | SPECIFICATION |
|--|----------------|
| ASSAY (DRIED BASIS) | 99.0 - 101.0 % |
| SPECIFIC ROTATION [α] _D | +6.5 TO+10.5 |
| pH OF A 1 IN 10 SOLUTION | 6.0 - 7.0 |
| CHROMATOGRAPHIC PURITY | --TO PASS TEST |
| LOSS ON DRYING | -- 0.5 % |
| RESIDUE ON IGNITION | -- 0.1 % |
| HEAVY METALS | -- 0.001 % |
| IDENTIFICATION | --TO PASS TEST |
| EXPIRATION DATE | |
| RESIDUAL SOLVENTS | --TO PASS TEST |