



CERTIFICATE OF ANALYSIS

CHLORAMPHENICOL BASE

CAS Number 56-75-7
 Molecular Formula $C_{11}H_{12}Cl_2N_2O_5$
 Molecular Weight 323.13

| TEST | SPECIFICATION |
|---------------------------------------|-----------------|
| ASSAY | 97.0 - 103.0 % |
| MELTING RANGE | 149 - 153 C |
| SPECIFIC ROTATION [a] _D | +17.0 TO+20.0 |
| CRYSTALLINITY | -- TO PASS TEST |
| pH OF AN AQUEOUS SUSPENSION | 4.5 - 7.5 |
| CHROMATOGRAPHIC PURITY | -- TO PASS TEST |
| IDENTIFICATION | -- TO PASS TEST |
| EXPIRATION DATE | |
| RESIDUAL SOLVENTS | -- TO PASS TEST |

CHLORAMPHENICOL PALMITATE

CAS Number 530-43-8
 Molecular Formula $C_{27}H_{42}Cl_2N_2O_6$
 Molecular Weight 561.54

| TEST | SPECIFICATION |
|--|-----------------|
| ASSAY ($C_{11}H_{12}Cl_2N_2O_5$) | 555 - 595 µg/mg |
| MELTING RANGE | 87° - 95°C |
| SPECIFIC ROTATION, [a] (C=5; ANHYD. ALCOHOL) | +21° TO +25° |
| CRYSTALLINITY | TO PASS TEST |
| LOSS ON DRYING | -- 0.5% |
| ACIDITY | TO PASS TEST |
| FREE CHLORAMPHENICOL | -- 0.045% |
| IDENTIFICATION | TO PASS TEST |
| EXPIRATION DATE | |
| RESIDUAL SOLVENTS | TO PASS TEST |