



## CERTIFICATE OF ANALYSIS

### PROCAINE HYDROCHLORYDE

CAS Number 51-05-8  
Molecular Formula  $C_{13}H_{20}N_2O_2 \cdot HCl$   
Molecular Weight 272.78

| TEST                   | SPECIFICATION   |
|------------------------|-----------------|
| ASSAY (DRIED BASIS)    | 99.0 - 101.0%   |
| MELTING RANGE          | 153° - 158°C    |
| ACIDITY                | -- TO PASS TEST |
| CHROMATOGRAPHIC PURITY | TO PASS TEST    |
| LOSS ON DRYING         | -- 1.0%         |
| RESIDUE ON IGNITION    | -- 0.15%        |
| HEAVY METALS           | -- 0.002%       |
| IDENTIFICATION         | -- TO PASS TEST |
| EXPIRATION DATE        |                 |
| RESIDUAL SOLVENTS      | TO PASS TEST    |