

**CERTIFICATE OF ANALYSIS**

QA/F/01 Rev no. 03

**PRODUCT :** Tinsdale agar base

**PRODUCT CODE NO.:**B334

**QUALITY CONTROL TESTS : DEHYDRATED MEDIUM**

| PARAMETERS | STANDARD VALUES                |
|------------|--------------------------------|
| COLOR      | Light yellow                   |
| APPEARANCE | Homogenous free flowing powder |

**QUALITY CONTROL TESTS : REHYDRATED MEDIUM**

| PARAMETERS                         | STANDARD VALUES              |
|------------------------------------|------------------------------|
| pH(post autoclaving/heating)       | 7.4+/-0.2                    |
| COLOR (post autoclaving/heating)   | Light amber                  |
| CLARITY (post autoclaving/heating) | Clear to slightly opalescent |

**QUALITY CONTROL TESTS : MICROBIOLOGICAL CULTURAL RESPONSE:**

Cultural characteristics observed after an incubation at 35-37°C for 40-48 hours with added Diphtheria Virulence Supplement(Part A & Part B).

| Organism Description                         | Inoculum (CFU)    | Growth         | Recovery | Colony characteristics       |
|--|-------------------|----------------|----------|------------------------------|
| Corynebacterium diphtheriae type gravis      | 50-100            | good-luxuriant | >=50%    | brown-black with halo        |
| Corynebacterium diphtheriae type intermedius | 50-100            | good-luxuriant | >=50%    | brown-black with halo        |
| Corynebacterium diphtheriae type mitis       | 50-100            | good-luxuriant | >=50%    | brown-black with halo        |
| Klebsiella pneumoniae ATCC 13883             | >=10 <sup>3</sup> | inhibited      | 0%       | -                            |
| Streptococcus pyogenes ATCC 19615            | 50-100            | good           | 40-50%   | black-pin point,without halo |