

## TMB 029 – CTAB (N-Cetyl-N, N, N-Trimethylammonium Bromide) (Molecular Biology Grade)

|                              |                                                                                                               |                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------|
| REF NO: TBL/QA/SS/LC/TMB 029 | STANDARD SPECIFICATION<br>FOR CTAB (N-Cetyl-N,N,N-<br>Trimethylammonium Bromide)<br>(Molecular Biology Grade) | Rev. No: 03             |
| Issue No: 04                 |                                                                                                               | Review Date: 06/02/2025 |
| Issue Date: 07/02/2022       |                                                                                                               | Product code: TMB 029   |

### PRODUCT PROPERTIES

|                    |                                     |
|--------------------|-------------------------------------|
| C.A.S Number       | 57-09-0                             |
| Chemical Formula   | C <sub>19</sub> H <sub>42</sub> BrN |
| Formula weight     | 364.45                              |
| Functional Uses    | NA                                  |
| Standard Packaging | 100 gm. & 500 gm.                   |

### PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION               |
|-------------------|-----------------------------|
| Appearance        | White color powder.         |
| Solubility        | Freely soluble in methanol. |

### CHEMICAL PARAMETERS

| PRODUCT PARAMETER           | SPECIFICATION |
|-----------------------------|---------------|
| pH (0.1M aq. solution)      | 5.0 – 7.0     |
| Loss on drying              | NMT – 1.0%    |
| Melting Point               | 249 – 253°C   |
| Sulphate (SO <sub>4</sub> ) | NMT – 0.02%   |
| Iron (Fe)                   | NMT – 0.001%  |
| DNases/RNases               | None detected |
| Proteases/ Phosphatases     | None detected |
| Assay                       | NLT – 99.0%   |

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.