

## PRODUCT IDENTITY

|                 |                             |                |                                     |
|-----------------|-----------------------------|----------------|-------------------------------------|
| PRODUCT NAME    | Hexadecylpyridinium bromide | PRODUCT NUMBER | H108698                             |
| Grades & Purity | ≥96%                        | VERSION        | 3                                   |
| CAS NUMBER      | 140-72-7                    | FORMULA        | C <sub>21</sub> H <sub>38</sub> BrN |
| FORMULA WEIGHT  | 384.44g/mol                 |                |                                     |

## ACCEPTANCE CRITERIA

| PARAMETER                                                    | SPECIFICATION / LIMIT                   |
|--------------------------------------------------------------|-----------------------------------------|
| Purity(Titration by AgNO <sub>3</sub> )(anhydrous basis)     | 96-100 (%)                              |
| Water by Karl Fischer                                        | 0-6 (%)                                 |
| Appearance (H108698)                                         | White to Almost white powder to crystal |
| Infrared spectrum                                            | Conforms to Structure                   |
| Solubility in EtOH , Colorless to Faint Yellow Clear(C = 5%) | pass                                    |
| Carbon by Elemental Analysis(anhydrous)                      | 62.7-65.7 (%)                           |
| Nitrogen by Elemental Analysis (anhydrous)                   | 3.3-3.8 (%)                             |