

## PRODUCT IDENTITY

|                 |                           |                |                                                                    |
|-----------------|---------------------------|----------------|--------------------------------------------------------------------|
| PRODUCT NAME    | Minocycline hydrochloride | PRODUCT NUMBER | M102970                                                            |
| Grades & Purity | Moligand™, ≥98%           | VERSION        | 3                                                                  |
| CAS NUMBER      | 13614-98-7                | FORMULA        | C <sub>23</sub> H <sub>27</sub> N <sub>3</sub> O <sub>7</sub> ·HCl |
| FORMULA WEIGHT  | 493.94g/mol               |                |                                                                    |

## ACCEPTANCE CRITERIA

| PARAMETER                               | SPECIFICATION / LIMIT                    |
|-----------------------------------------|------------------------------------------|
| Purity(HPLC)                            | 98-100 (%)                               |
| Potency MINOCYCLINE                     | 890-950 (μg/mg)                          |
| Water by Karl Fischer                   | 0-10 (%)                                 |
| Appearance (M102970)                    | pale yellow to yellow powder or crystals |
| Infrared spectrum                       | Conforms to Structure                    |
| Proton NMR spectrum                     | Conforms to Structure                    |
| Solubility in H <sub>2</sub> O(50MG/ML) | pass                                     |