

## PRODUCT IDENTITY

|                 |                 |                |                                                             |
|-----------------|-----------------|----------------|-------------------------------------------------------------|
| PRODUCT NAME    | <b>luminol</b>  | PRODUCT NUMBER | <b>L105655</b>                                              |
| Grades & Purity | Moligand™, ≥98% | VERSION        | 3                                                           |
| CAS NUMBER      | 521-31-3        | FORMULA        | C <sub>8</sub> H <sub>7</sub> N <sub>3</sub> O <sub>2</sub> |
| FORMULA WEIGHT  | 177.16g/mol     |                |                                                             |

## ACCEPTANCE CRITERIA

| PARAMETER                                                                 | SPECIFICATION / LIMIT                              |
|---------------------------------------------------------------------------|----------------------------------------------------|
| Nitrogen by Elemental Analysis (anhydrous)                                | 22.9-24.6 (%)                                      |
| Carbon by Elemental Analysis(anhydrous)                                   | 52.3-56.1 (%)                                      |
| Purity(Neutralization titration)                                          | 98-100 (%)                                         |
| Loss on drying                                                            | 0-5 (%)                                            |
| Purity(HPLC)                                                              | 98-100 (%)                                         |
| Appearance (L105655)                                                      | White to Yellow to Orange to Brown Powder/Crystals |
| Infrared spectrum                                                         | Conforms to Structure                              |
| Sensitiveness                                                             | passe test                                         |
| Solubility in DMSO , Colorless to Green to Brown, Clear to Hazy, 50 mg/mL | Conforms                                           |