



| CERTIFICATION OF ANALYSIS               |                           |
|-----------------------------------------|---------------------------|
| 5-amino-1-methylquinolin-1-ium Chloride | CAS: 42464-96-0           |
| Product No.:200181                      | Batch No.: 25081503       |
| Date of Mfg: Aug 24, 2025               | Date of Exp: Aug 23, 2027 |
|                                         |                           |

| Test               | Specification                    | Result     |
|--------------------|----------------------------------|------------|
| Appearance         | Yellow powder to orange powder   | Conforms   |
| Solubility         | 3.6mg/ml in H <sub>2</sub> O     | Conforms   |
| Purity (HNMR)      | 98.0%min                         | Conforms   |
| Related Substances | single largest impurity: NMT1.5% | 0.38%      |
|                    | Total impurities NMT 2.0%        | 0.48%      |
| Purity(HP LC)      | NLT 98.0%                        | 99.5%      |
| pH (5mg/ml)        | 2.5-5.5                          | 3.8        |
| 400MHz 1H          | Consistent                       | Consistent |
| MS                 | 159.2±1.0                        | 158.9      |

**Storage:** In an air tight container, protected from light

**Temperature:** Short Term:2-8°C ; Long Term:below-10°C

Conclusion: the product complies with specification.

It is only supplied as chemical product.