

# Certificate of Analysis

## Reference Material & Standard

|                    |                                        |                   |                                           |
|--------------------|----------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Diquat dibromide monohydrate           | Catalogue Number: | LCPD100345-ME                             |
| Synonyms:          | N/A                                    | Lot Number:       | 1121-SA-7624                              |
| CAS Number:        | 6385-62-2                              | Expiry Date:      | Nov 20, 28                                |
| Molecular Formula: | $C_{12}H_{12}N_2 \cdot 2Br \cdot H_2O$ | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 184.24 2*79.90 18.02                   |                   |                                           |

Chemical Structure:



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 98.180%   |
| Uncertainty     |                   | ±2.0%     |

## Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Date: Nov 21, 24

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## Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Nov 21, 24 | First release.      |

