

# Certificate of Analysis

## 1,2-Dichloroethane

### **PurCert Standard for GC**

(Secondary Reference Standard)

|                          |   |                     |           |
|--------------------------|---|---------------------|-----------|
| <b>Product Number</b>    | PSR28266                                      | <b>CAS No.</b>      | 107-06-2  |
| <b>Brand</b>             | PureSynth                                     | <b>Lot No.</b>      | F07H      |
| <b>Molecular Formula</b> | C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub> | <b>Date of Mfg.</b> | June,2021 |
| <b>Molecular Weight</b>  | 98.96 g/mol                                   | <b>Date of Exp.</b> | May,2025  |

| Test                                 | Specification        | Result           |
|--------------------------------------|----------------------|------------------|
| Description                          | Colorless liquid     | Colorless liquid |
| Clarity                              | Clear                | Clear            |
| Assay (GC-FID)                       | ≥ 99.5%              | 99.99%           |
| Water (by KF)                        | ≤ 0.1%               | 0.1178%          |
| Refractive index n <sub>20</sub> /d  | 1.443 - 1.445        | 1.445            |
| Non-volatile Matter                  | ≤ 0.002%             | < 0.002%         |
| APHA                                 | ≤ 10                 | < 10             |
| Titration acid                       | ≤ 0.0003 meq/g       | < 0.0003 meq/g   |
| Identification by <sup>1</sup> H NMR | Conform to structure | Conforms         |
| Identification by GC-MS              | Conform to molecular | Conforms         |
| Identification by IR                 | Conform to structure | Conforms         |

**\*Traceable to USP Reference standard 1601180, Lot No: R093F0**

**Storage Condition:** Store at ambient temperature and keep container tightly closed in a dry and well-Ventilated place.

**Remark:** The batch complies with the prescribed quality of the above specification.

*This is a computer-generated report -does not required sign*

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