

## Certificate of Analysis

Date of Testing: 2024-10-28 17:45:08

Date of Next Testing: 2026-10-28 17:45:08

Product Name: **1,2-dimyristoyl-sn-glycero-3-phosphocholine(DMPC)**

CAS Number: 18194-24-6

Specifications & Purity:  $\geq 99\%$

Lot #: J2423313

SKU #: **D130420**

Version: **0**

Analysis #: **362764**

Storage Temperature: Store at -20°C

| Parameter                                                  | Limit Values                             | Result                                   |
|------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Purity(HPLC)                                               | 99-100 (%)                               | 99.63400 %                               |
| Phosphorus(anhydrous)                                      | 4.4-4.8 (%)                              | 4.41 %                                   |
| Specific Rotation $[\alpha]_{20/D(c=2 \text{ in CHCL}_3)}$ | 7-10 (°)                                 | 7.23 °                                   |
| Water by Karl Fischer                                      | 0-3.5 (%)                                | 0.62 %                                   |
| Appearance (D130420)                                       | white powder                             | White powder                             |
| Solubility in CHCl <sub>3</sub> /MeOH (9/1)                | Colorless to Faint Yellow,Clear,25 mg/mL | Colorless to Faint Yellow,Clear,25 mg/mL |
| Proton NMR spectrum                                        | Conforms to Structure                    | Conforms to Structure                    |



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