

**武汉一沃生物科技有限公司**

**RHT19 Cationic Lipid Final Product Inspection Report**

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| Product Name | RHT19 | Manufacture Date | 2023-03-14 |
| Batch Number | EM3001 | Expiration Date | 2025-03-14 |
| Specifications | 77.8 g |

**Inspection Results**

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| **Inspection Items** | **Standard Specifications** | **Inspection Results** |
| Appearance | Colorless to yellowish oily liquid | Meets |
| Visible Particulates | None visible | Meets |
| Identification H1-NMR | Consistent with the reference spectrum | Meets |
| Identification MS | Consistent with the reference spectrum, with a relative molecular weight of 741.6 | Meets |
| purity，% | ＞95.0 | 96.5 |
| Content ，% | ＞95.0 | 98.5 |
| Residual solvent | It should comply with the requirements (ICH Q3C). | Meets |
| moisture ，% | ≤1.0 | 0.1 |
| bacterial endotoxin ，EU/mg | ≤0.25 | ≤0.25 |
| microbial limits | TAMC≤100cfu/g  TYMC≤100cfu/g  Escherichia coli: Absent | TAMC≤1cfu/g  TYMC≤1cfu/g  Escherichia coli: Not detected |
| Elemental impurities （Cd、Pb、Hg、As、Co、V、Ni、Li、Sb、Cu） | Reported results | Cd：0.004 ug/g  Pb: 0.081 ug/g  Hg: Not detected  As: 0.064 ug/g  Co: 0.013 ug/g  V: 0.018 ug/g  Ni: 0.179 ug/g  Li: 0.357 ug/g  Sb: 0.274 ug/g  Cu: Not detected |

Conclusion: Meets Standard Requirements.

Reviewer：

Approver：

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