

CERTIFICATE OF ANALYSIS

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|---------------------|--------------|-------------------------|----------|
| Product Name | Ceramide NP1 | | |
| CAS | 100403-19-8 | | |
| Batch Number | 20240526 | Manufacture Date | 20240526 |
| Report Date | 20240526 | Expiry Date | 20260525 |

| Item | Specification | | Result |
|------------------------|---------------------------|------------|------------------|
| Appearance | White to off-white powder | | off-white powder |
| Melting point | 98-108°C | | 103.1~104.1°C |
| Identification | HPLC Conforms | | Conforms |
| Loss of drying | NMT 2.0% | | 0.7% |
| Heavy metals | NMT 20ppm | | Conforms |
| Residue on ignition | NMT0.5% | | 0.03% |
| Total aerobic bacteria | NMT 3000CFU/g | | ≤10CFU/g |
| Yeast &Mold | NMT 300CFU/g | | ≤10CFU/g |
| Residual Solvents | Menthol | NMT3000ppm | ND |
| | Ethyl oleate | NMT2000ppm | ND |
| Purity | A:NLT 85.0% | | 89.6% |
| | A+B+C+D: NLT 95% | | 96.4% |
| Assay(HPLC-Uv) | A:NLT 85.0% | | 89.3% |
| | NLT 95.0%(A+B+C+D) | | 96.2% |

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

