



Certificate of Analysis

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|-----------------------|--------------------------|-------------------------|-------------|
| Product Name | Choline glycerophosphate | Manufacture Date | Aug.05.2023 |
| Batch Number | SW230805 | Analysis Date | Aug.06.2023 |
| Batch Quantity | 100kg | Expiry Date | Aug.05.2025 |

| ANALYSIS | SPECIFICATION | RESULT |
|------------------------|--|----------|
| Assay | ≥99% | 99.3% |
| Appearance | White Crystalline Powder | Conforms |
| Identification | Positive | Conforms |
| Specification Rotation | -2.4 to -2.95 | -2.61 |
| Solubility | Clear | Conforms |
| Loss on drying | ≤2.0% | 0.1% |
| Color of Solution | ≤Y7 | Conforms |
| PH | 5.0-7.0 | 5.7 |
| Heavy Metals | ≤10ppm | Conforms |
| Arsenic | ≤1ppm | Conforms |
| Sulfate | ≤0.02% | Conforms |
| Iron | ≤10ppm | Conforms |
| Chloride | ≤0.02% | Negative |
| Solvent Residual | ≤1.0% | |
| Conclusion | This product conforms to international standards | |

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|---------------------|---|
| Packing description | Sealed export grade drum & double of sealed plastic bag |
| Storage | Store in a cool and dry place, stay away from strong light and heat |
| Shelf life | 2 years when properly stored |

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