

SINOWAY INDUSTRIAL CO.,LTD.

16/F.,HUICHENG COMM.COMPLEX, 839 XIAHERD.,XIAMEN,CHINA

TEL: 0086-592-5887162

POSTCODE: 361004

FAX: 0086-592-5854960

E-MAIL: sale3@china-sinoway.com

Certificate of Analysis

| Product Name | CHOLINE GLYCEROPHOSPHATE; Alpha-GPC | | |
|--|--|--------------|-------------|
| Batch No : | SGCF-200810 | Quantity: | 25kg |
| Mfr date : | Aug.10,2020 | Report date: | Oct.13,2020 |
| CAS : | 28319-77-9 | Expiry date: | 2 years |
| Items | Specifications | Results | |
| Description | White powder, neutral odor, very highly hygroscopic. | Complies | |
| Identification (TLC) | Conforms to the standard | Complies | |
| Solubility (H ₂ O, 10% w/v) | Clear | Complies | |
| Stability | Dry and light protected storage; Stable under normal usage. | Complies | |
| Optical rotation [α] ²⁵ D | -2.4° to -2.95° | -2.81° | |
| pH | 5.0~7.0 | 6.58 | |
| Chloride | Not more than 0.02% | Complies | |
| Sulfate | Not more than 0.02% | Complies | |
| Phosphate ion | The color of solution should not stronger than the control solution (5ppm) | Complies | |
| Total impurities | Not more than 0.5% | Complies | |
| Single impurity (HPLC) | Not more than 0.1% | Complies | |
| Solvent residue (Ethanol) | Not more than 1.0% | Complies | |
| Water content | Not more than 0.5% | 0.10% | |
| Purity (HPLC) | Not less than 99.7% | 99.856% | |
| Conclusion: | The products comply to the above specifications | | |

Pls note: The material contains no animal origin raw material.

SINOWAY INDUSTRIAL CO.,LTD.

