



Certificate of

Product Name: **Alpha GPC Powder**
 Chemical Formula: **C8H20NO6P**
 CAS#: **28319-77-9**
 Molecular Weight: **257.22**
 Starting Material(s): **Phosphocholine Chloride Calcium Salt, Glycerin**

 Country of Origin: **China**
 Batch Number: **2004V03254G**
 Manufacture Date: **April 11, 2020**
 Retest Date: **April 9, 2022**

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

| ITEMS | SPECIFICATIONS | RESULTS |
|----------------------------|--|----------|
| Appearance | White powder, highly hygroscopic | Conforms |
| Odor | Neutral | Conforms |
| Identification | TLC: Standard solution and test solution same spot, RF | Conforms |
| Specific Optical | -2.4°~-2.8° | -2.67° |
| Heavy Metals | ≤10 ppm | Conforms |
| Sulfate (SO4) | ≤0.02% | Conforms |
| Chloride (Cl) | ≤0.02% | Conforms |
| Phosphate Ion | ≤5 ppm | Conforms |
| pH | 4.5~7.0 | 6.55 |
| Related Substance | Spot not bigger than standard solution spot | No spot |
| Residual Solvent | <2.0% | Conforms |
| Water Content | <2% | 0.25% |
| Assay (dried basis) | 98.0%~102.0% | 99.87% |
| Total Plate Count | ≤1000 cfu/g | Conforms |
| Yeast & Mold | ≤100 cfu/g | Conforms |
| Coliforms | Negative | Negative |
| Salmonella | Negative | Negative |
| Solubility | Soluble in water | Conforms |
| Conclusion (Manufacturer): | This product conforms to enterprise standards | |

Sterilization Method: Non-Irradiated || Non-EtO
GMO Statement Non-GMO
Storage Conditions: **Keep in sealed container under 25°C.**
Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Candace Gibson / Brenda Bristow

(This document was produced electronically and is valid without signature.)