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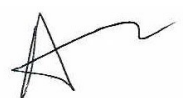
Specification Sheet

Product Name		Alpha GPC Powder 50%
CAS#		28319-77-9
Molecular Formula		C ₈ H ₂₀ N ₆ O ₆ P
PHYSICAL/CHEMICAL CONTROL	SPECIFICATION	TEST METHODS
Appearance	White powder; neutral odor; highly hygroscopic	Visual
Identification	Complies to Standard	TLC
Specific Optical	-2.4° - -2.8°	
Assay (Dried basis)	≥50%	Potentiometric titration
Heavy Metals as (PB)	≤10ppm	Colorimetry
As	<1.0ppm	AOAC 986.15, 18th
Pb	<1.0ppm	AOAC 986.15, 18th
Cd	<0.5ppm	AOAC 986.15, 18th
Hg	<0.5ppm	AOAC 971.21, 18th
Sulfate (SO ₄)	≤0.02%	Colorimetry
Chloride (Cl)	≤0.02%	Colorimetry
Phosphate Ion (P)	≤5ppm	Colorimetry
pH	4.5 - 7.0	
Related Substance	Spot not bigger than standard solutions spot	TLC
Residual Solvent	<0.5%	HS-GC
Water Content	<0.3%	KF
Total Plate Count	NMT 1000cfu/g	USP
Yeast & Mold	NMT 100 cfu/g	USP
Coliforms	≤ 10 cfu/g	USP
E. Coli	Negative	AOAC 997.11, 18th
Salmonella	Negative	FDA (BAM) Chapter 5, 8 th Ed.

Starting Material (s)	Calcium Phosphorylcholine Chloride and Sodium Bicarbonate
Conclusion:	Product Conforms to Specification

Note: The above information is based on the specification sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by :


Abdullah Malik (QA)