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CERTIFICATION OF ANALYSIS

Product Name	Spermidine hydrochloride		
Batch Number	BH240610YJA	Quantity	100KGS
Manufacture Date	2024-06-10	Analysis Date	2024-06-17
Expiry Date	2026-06-09	CAS No.	334-50-9

Items	Standards	Results
Physical and chemical analysis:		
Appearance	White to off-white powder	Complies
Identification	Positive	Complies
Odor&Taste	Characteristic	Complies
Purity(GC)	≥98.0%	99.2%
Assay(HPLC)	Spermidine≥55.0%	55.8%
Residue on Ignition	≤1g/100g	0.50g/100g
Melting Point	257-259℃	258.4-258.9℃
Loss on Drying	≤1.0%	0.5%
Ash	≤1.0%	0.16%
Particle Size	NLT 95% pass 80 mesh	Complies
Residue analysis:		
Heavy Metal	≤10ppm	Complies
Pb	≤3ppm	Complies
As	≤2ppm	Complies
Hg	≤1.5ppm	Complies
Cd	≤1.5ppm	Complies
Microbiological:		
Total Plate Count	≤10,000cfu/g	Complies
Yeast&Mold	≤300cfu/g	Complies
E.coil	Negative	Negative
Salmonella	Negative	Negative
General Status:		
GMO Free	Complies	Complies
Non-Irradiation	Complies	Complies
General Information:		
Conclusion	Conform to specification.	
Packing	Packed in paper-drums and two plastic-bags inside. N.W:25kgs	
Storage	Keep in cool & dry place. Keep away from strong light and heat.	
Shelf life	2 years under the conditions above and in its original packaging.	

Tested by: Tony Liu

Approved by: Mike He

Certified by: Albert Li