



上海麦角硫因生物科技集团有限公司

SHANGHAI EGT SYN BIO GROUP CO., LTD.

# Certificate Of Analysis

<b>Product Name:</b>	Spermidine trihydrochloride		
<b>CAS Number:</b>	334-50-9	<b>Reference:</b>	In-house
<b>Batch Number:</b>	YGPF24052801	<b>Batch Quantity:</b>	23kg
<b>Date of Production:</b>	May 28, 2024	<b>Date of Expiration:</b>	May 27, 2026
<b>Types:</b>	<input checked="" type="checkbox"/> Manufacturer <input type="checkbox"/> Traders <input type="checkbox"/> Other		

Items	Specifications	Test Results	Methods
Purity	≥98.0%	99.1%	GC
<b>Physical &amp; Chemical Control:</b>			
Appearance	White crystalline power	Conform	Visual observation
Solubility	Soluble in water	Conform	USP<1236>
Loss on Drying	≤1.0%	0.32%	USP<731>
Residue on ignition	≤1.0%	0.06%	USP<281>
<b>Heavy Metals Control:</b>			
Arsenic	≤0.5 ppm	Conform	USP<233>
Lead	≤0.5 ppm	Conform	USP<233>
Mercury	≤1 ppm	Conform	USP<233>
Cadmium	≤1 ppm	Conform	USP<233>
Total Heavy Metals	≤10 ppm	Conform	USP<233>
<b>Microbiological Control:</b>			
E. coli	Negative	Conform	USP<62>
S. aureus	Negative	Conform	USP<62>
Salmonella	Negative	Conform	USP<62>
P. aeruginosa	Negative	Conform	USP<62>
Total Coliform	<100 CFU/g	Conform	AOAC
Total Yeast and Mold Count	≤100 CFU/g	Conform	USP<61>
Total Viable Aerobic Count	≤1000 CFU/g	Conform	USP<61>

Packing: Sterile bag packaging, wrapped in aluminum foil bags.	
Storage: Store at sealed room temperature in a cool and dry place, avoiding sunlight and moisture.	
Analyst (QC): <i>Yanhong Zhang</i>	Approver (QA): <i>Yilin Li</i>
Date: <i>May 31, 2024</i>	Date: <i>May 31, 2024</i>

