

# Xi'an Jiuzhong Biotechnology Co., Ltd.

## CERTIFICATE OF ANALYSIS

Product name	3-hydroxybutyrate Magnesium	Country of Origin	China
Batch Size	2000kg	Batch Number	MG230218
Manufacture Date	Feb. 18, 2023	Expiry Date	Feb. 17, 2025

Item	Specification	Result	Method
Assay	98.0%-101.0%	99.29%	Titration
Content of Magnesium	9.0%-10.0%	9.3%	Titration
BHB	80.0%-82.0%	81.0%	Titration
Appearance	White fine powder	Complies	Visual
Identification	NIR	Complies	USP
Solubility	Soluble in water	Complies	USP
Water	≤19.0%	3.61%	KF
Free Water	≤3.0%	0.63%	USP
Heavy Metals	≤10ppm	Complies	USP
Lead	≤2ppm	Complies	USP
Arsenic	≤1ppm	Complies	USP
Mercury	≤0.1ppm	Complies	USP
Cadmium	≤1ppm	Complies	USP
Microbiological Control			
Total Plate Count	≤1000cfu/g	<500cfu/g	USP
Yeast & Mould	≤100cfu/g	<50cfu/g	USP
E.Coli	Negative	Complies	USP
Salmonella	Negative	Complies	USP
Storage	Cool & dry place. Keep away from strong light and heat.		
Shelf	2 years when properly stored		

Conclusion: The product conforms with the above specification.

QA: Yang Jie

QC: Wang Yang