

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	BHB salts		
<b>Batch Number</b>	20220312	<b>Manufacture Date</b>	20220312
<b>Report Date</b>	20220312	<b>Expiry Date</b>	20240311

Item of Analysis	Specification	Results	Test Methods
Assay(BHB)	≥80%	82.05%	HPLC
Magnesium	≥0.50%	0.65%	HPLC
Sodium	≥9%	9.2%	HPLC
Calcium	≥6%	6.15%	HPLC
<b>Organoleptic</b>			
Appearance	Powder	Conforms	Organoleptic
Color	White powder	Conforms	Organoleptic
<b>Physical Characteristics</b>			
Particle Size	95%through 80 meshes	Complies	CP2015
Loss on Drying	5.0% max	2.7%	CP2015
Ash	5.0% max	0.8%	CP2015
Bulk Density	45-60g/100mL	49g/100mL	CP2010IA
Solvents Residue	USP567	Complies	GC
Pesticides Residue	USP561	Complies	GC
<b>Heavy metals</b>			
Total Heavy Metals	10ppm Max	Conform	USP<231>method II
Lead (Pb)	2ppm NMT	Conform	ICP-MS
Arsenic (As)	2ppm NMT	Conform	ICP-MS
Cadmium (Cd)	2ppm NMT	Conform	ICP-MS
Mercury (Hg)	0.5ppm NMT	Conform	ICP-MS
<b>Microbiological Tests</b>			
Total Plate Count	10000cfu/g Max	Conform	USP<61>
Yeast & Mold	1000cfu/g Max	Conform	USP<61>
E. Coli.	Negative	Conform	USP<61>
Salmonella	Negative	Conform	USP<61>
Staphylococcus	Negative	Conform	USP<61>

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

