

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	BCAA 2:1:1 (Instant) Fermented
<b>Batch No.</b>	CP0522121901
<b>Manufacture Date</b>	19/12/2022
<b>Expiry Date</b>	19/12/2028

### Physical & Chemical Characteristics

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	White to off-white powder	Complies
Assay	$\geq 95\%$	96.9%
L-Leucine content	45.0–55.0%	46.3%
L-Isoleucine content	22.5–27.5%	25.4%
L-Valine content	22.5–27.5%	25.2%
Lecithin	0.5–1.0%	0.8%
Bulk density	$\geq 0.25$ g/ml	0.3 g/ml
Tapped density	$\geq 0.45$ g/ml	0.50 g/ml
Loss on drying	$\leq 1\%$	0.15%
Residue on ignition	$\leq 1\%$	0.11%

### Heavy Metals

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Heavy metals (as Pb)	$\leq 10$ ppm	Complies
Lead (Pb)	$\leq 3$ ppm	Complies
Cadmium (Cd)	$\leq 1$ ppm	Complies
Arsenic (As)	$\leq 1$ ppm	Complies
Mercury (Hg)	$\leq 0.1$ ppm	Complies

### Microbiological Tests

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Total aerobic microbial count	$\leq 1000$ CFU/g	Complies
Total molds and yeasts	$\leq 100$ CFU/g	Complies
E. coli	Negative	Negative

Salmonella	Negative	Negative
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**General Status**

<b>Basis</b>	Data as received by supplier/manufacturer.
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