

## Certificate of Analysis

Product Name:	<b>Beta Hydroxybutyrate Sodium</b>
CAS#	<b>150-83-4</b>
Starting Material:	<b>Ethyl acetoacetate</b>
Solvent:	<b>Water</b>
Carrier:	<b>None</b>
Country of Origin:	<b>China</b>
Batch Number:	<b>Varies</b>
Manufacture Date:	<b>Varies</b>
Retest Date:	<b>Varies</b>

## Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Sodium Beta Hydroxybutyrate (BHB-Na) (HPLC)	≥98%	98.06%
β-Hydroxybutyrate (BHB) (HPLC)	≥80%	80.95%
β-Hydroxybutyrate (Identification) (HPLC)	Positive	Conforms <Sample peak retention time compares positively to standard peak retention times within ± 10%>
Sodium (Na) (ICP-MS)	17.5-18.5%	17.74%
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Off-white to white crystalline powder	Conforms
Loss on drying	≤1.0%	0.41%
Solubility	Freely soluble in water	Conforms
Heavy Metals	≤10 ppm	Conforms
Arsenic (As)	≤0.5 ppm	Conforms
Lead (Pb)	≤0.5 ppm	Conforms
Mercury (Hg)	≤0.1 ppm	Conforms
Cadmium (Cd)	≤0.5 ppm	Conforms
Mesh	Report Only	60
Conclusion (Manufacturer):	This product conforms to enterprise standards	

<b>Additional Information:</b>	Vegan    Allergen Free    Gluten Free    BSE/TSE Free
<b>GMO Statement:</b>	Non-GMO
<b>Composition:</b>	100% Beta Hydroxybutyrate (BHB) Sodium
<b>Storage Conditions:</b>	<b>Keep in sealed container under Keep away from strong light, heat and moisture.</b>

*Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.*

*Verified By: Ann Foote / Candace Gibson*

( This document was produced electronically and is valid without signature. )