

Specification Sheet



Product Name	BodyBio Ionic Manganese		
Company	Trace Minerals		Version # 5
Item Number	FPBBIOMN01	Last Revision Date	8/4/2026

Formula					
Ingredients in Descending Order		Qty[Active]/serving		Provided By:	
Purified Deionized Water		0.9375 mL		CLS	
ConcenTrace®		0.3125 mL		Customer	
Manganese Gluconate		10.1442 mg		CLS	
Citric Acid		0.0000 mg		CLS	
Potassium Sorbate (preservative)		2.5361 mg		CLS	
Serving Size	1.25 ml	Fill Amount	2 fl oz	Fill Range	2 - 2.1 fl oz

Ingredient Specifications				
☒ Non-GMO	☐ Organic	☒ Allergen Free	☒ Halal	
☒ Kosher	☒ Vegan	☒ Gluten Free	☐ All Natural	
☐ Other: _____				

Packaging Components	Qty	Provided By:
Bottle - 2 oz Amber Glass, Boston Round, 20-400	1	CLS
Dropper - Black Bulb/Cap, Glass Pipette (91mm), 20-400, Cal. (.25, .50, .75, 1.0)	1	CLS
Label - BodyBio Ionic Manganese 2 oz	1	CLS
Clear Shrink Material	~27mm	CLS
Shipping Box - 6-11/16 x 5 x 4-3/4 Corrugated Single Wall	1/12	CLS
Divider - 12 Cells, Corrugated	1/12	CLS

Label inventories, and the inventories of any other packaging materials or ingredients, will be provided on a monthly basis. It is up to the customer to order appropriate quantities and to keep track of current stock beyond the monthly inventory report.



Services Provided	
☒ Inspection of all ingredients ☒ Identity test on each ingredient ☒ Product mixing/batching ☐ Product pasteurization ☒ Inspection of all packaging components ☒ Filling and capping bottles ☐ Induction seal application ☒ Neck band application ☐ Full body sleeve application ☒ Pressure sensitive label application ☐ Shrink label application	☐ Heat stamp application of lot number ☒ Ink jet application of lot number ☐ Packaging into unit carton (ie. POP display) ☐ Packaging into unit shipper (ie. 12-pack) ☒ Packaging into master shipping box ☒ Palletization and shrink wrap (Wood Pallet) ☐ Palletization and shrink wrap (Plastic Pallet) ☒ Micro testing of finished product ☒ Strength testing of finished product ☒ Heavy metals testing of finished product ☐ Other: _____
*A certificate of analysis is provided with every batch of finished product. Actual test results are available upon request. Access to SOPs and other regulatory information is available upon request. Other documents (SDS, CFS, Dossiers, etc.) are not included and will be charged separately at an agreed price.	

****Some crystallization may occur and is normal for products containing mineral salts****

Physical Tests			
	Specification	Method	Test Group
pH Range	4.0 - 4.5	USP <791>	Every Lot
Brix Range	18 - 26 degrees	Meter	Every Lot
Specific Gravity	1.062 - 1.173	USP <841>	Every Lot
Color	Clear and Colorless	Organoleptic	Every Lot
Odor	Odorless	Organoleptic	Every Lot
Taste	Characteristic	Organoleptic	Every Lot
Clarity	Clear	Organoleptic	Every Lot

Purity Tests - Microbial			
	Specification	Method	Test Group
Micros			
Total Plate Count	< 1,000 cfu/g	USP	Every Lot
Coliform Count	< 100 cfu/g	AOAC	Every Lot
E. Coli Count	Absent/10g	USP	Every Lot
S. Aureus	Absent/10g	USP	Every Lot
Salmonella	Absent/10g	USP	Every Lot
Yeast Count	< 100 cfu/g	USP	Every Lot
Mold Count	< 100 cfu/g	USP	Every Lot

Purity Test - Contaminants			
	Specification	Method	Test Group
Heavy Metals			
Arsenic	< 10.0 mcg/serving	ICP-MS	Every Lot
Cadmium	< 4.1 mcg/serving	ICP-MS	Every Lot
Lead	< 0.5 mcg/serving	ICP-MS	Every Lot
Mercury	< 0.3 mcg/serving	ICP-MS (or equivalent)	Every Lot

Potency Tests

	Target (per 1.25 ml)	Acceptable Range (per 1.25 ml)	Method	Test Group
Manganese	10 mg	10 - 14 mg	ICP-OES	Every Lot
Magnesium	30 mg	30 - 54 mg	ICP-OES	Every Lot
Chloride	70 mg	70 - 126 mg	Titration	Every Lot
ConcenTrace	400 mg	400 - 560 mg	Input	Every Lot

Quality Guarantee

CLS utilizes the ANSI/ASQ Z1.4-2003 Acceptance Sampling Tables (Tables I and II-A) to determine sample sizes and acceptance/rejection numbers. We use a General Inspection Level I with the following AQLs.

- Critical Defects: AQL 0%
- Major Defects: AQL 1%
- Minor Defects: AQL 2.5%

CLS Manufacturing strives to maintain a high-quality standard. Typical industry norms set a standard of 1% or less total defects. CLS Manufacturing will rework, credit product, or otherwise rectify the problem to provide customer assurance for quality issues found representing 0.5% or greater, or otherwise significant quality problem trends that are found after receipt. Quality issues found after receipt representing less than 0.5% of the total quantity are attributed to manufacturing variations and will generally not require a formal investigation or product rectification.

Label Verification

The current approved label revision will be used as outlined in CLS L SOP# 1200 Production and Process Control System Packing.

BodyBio Item No: LM206

Fuel Cellular Metabolism*
Supports energy production and bone health by activating enzymes involved in carbohydrate and fat metabolism.*

Suggested Use:
As a mineral supplement, add 1.25 mL in water or juice daily, or more as directed by a licensed health care practitioner.
Shake well. Do not refrigerate

 To learn more about Manganese, scan the QR code

BODYBIO.COM

BODYBIO

Manganese
LIQUID MINERAL

2 FL. OZ. / 59 mL
Mineral Supplement

SUPPLEMENT FACTS
Serving Size: 1.25 mL (25 drops)
Servings: About 47

Amount Per Serving	% DV
Manganese 10 mg (as mang. gluconate)	435%
Ionic Sea Minerals 400mg Concentrate	†

† Daily Value (DV) not established.

Other Ingredients: Purified water, potassium sorbate, non-GMO citric acid.

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.



Manufactured for/by:
BodyBio
415 Reese Rd.
Millsville NJ 08332
Item No: LM206
Label No: 5088

Special Packaging Instructions

Use the customer-specified box label in place of the regular box label. The box label should be printed on a 4" x 3" label with the barcode size at 1.5" x 1":

BODYBIO
Liquid Mineral - Manganese
2 oz. - 12 Units per case
Item SKU: LM206 Case weight: 4 lbs.
Lot Code: MFG:

7 43474 01612 1

Lot Code Printing

Shelf Life?

☐ No
☒ *Yes 2 yrs

Printing Format

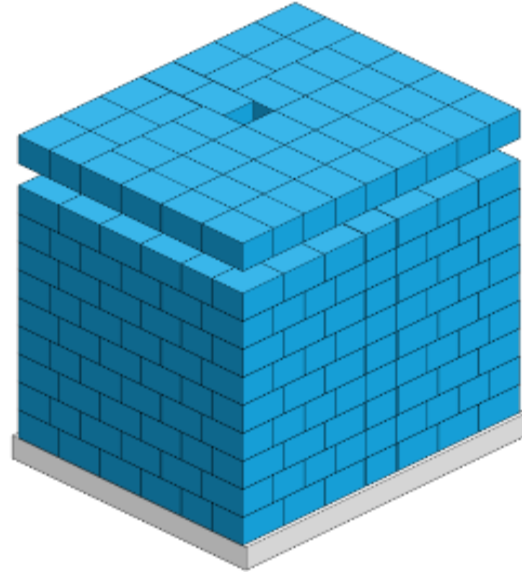
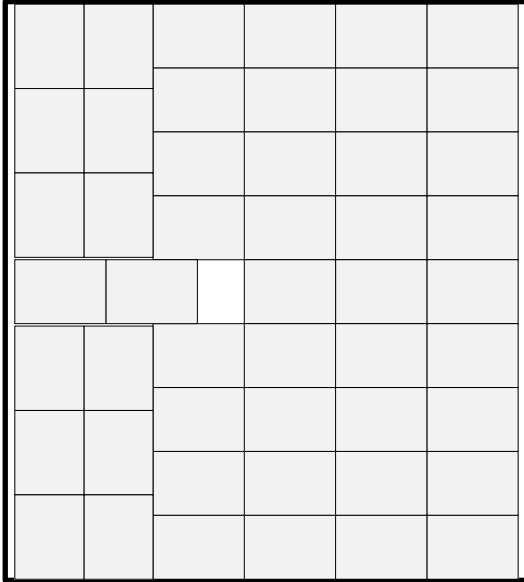
LOT 00000
EXP MM/YYYY

Printing Location:

Lot code and expiration date to be printed on the bottom of the bottle in contrasting

Pallet Configuration

- 12 bottles per case with corrugated dividers
- 49 cases per layer
- Up to 9 layers per pallet (~50 inches pallet height)
- Shipper box sticker placed in upper left side of each case



Customer signature of approval is preferred, but not required. E-mail/verbal confirmation is accepted. If no response is received, the specification will be considered approved for the current production run.

Customer Approved:

Date:

Signed Copy



Approved Verbally



Approved by PO



Approved By

Date

CLS Approved:

Date: