

Certificate of Analysis

Product Description: YNB w/o Ammonium Sulfate w/o Copper Sulfate w/o Ferric Chloride (Powder)
Catalog Number: 40271X2; 4027112; 4027122; 4027132
Lot: 124679

Formula: N/A

CAS #: N/A

Physical Description: Off-white Powder with White Particles

Formula Weight: N/A

Storage: 15 - 30°C

Test	Specification	Result
Clarity and Color of the medium solution (Without addition; After autoclave)	Report Results	Clear, Colorless Solution
Clarity and Color of the medium solution (With addition; After autoclave)	Report Results	Clear, Light Yellow Solution
pH (Without addition; After autoclave)	3.6 - 5.2	4.66
pH (With addition; After autoclave)	3.6 - 5.2	4.03
pH (Without addition; Harvest)	Report Results	4.42
pH (With addition; Harvest)	Report Results	2.75
Cell Growth Test (Without addition)	No Cell Growth	No Cell Growth
Cell Growth Test (With addition)	Cell Growth	Cell Growth

Components

Nitrogen Sources

Ammonium Sulfate

Per liter medium

0

Vitamins

Biotin

0.002 mg

Calcium Pantothenate

0.4 mg

Folic Acid

0.002 mg

Inositol

2 mg

Niacin

0.4 mg

P-Aminobenzoic Acid

0.2 mg

Pyridoxine Hydrochloride

0.4 mg

Riboflavin

0.2 mg

Thiamine Hydrochloride	0.4 mg
Trace Elements	
Boric Acid	0.5 mg
Copper Sulfate	0
Potassium Iodide	0.1 mg
Ferric Chloride	0
Manganese Sulfate	0.4 mg
Sodium Molybdate	0.2 mg
Zinc Sulfate	0.4 mg
Salts	
Magnesium Sulfate	500 mg
Sodium Chloride	100 mg
Potassium Phosphate, monobasic	1000 mg
Calcium Chloride	100 mg

Media are tested for their ability to promote optimum growth of yeast strains when combined with 5 g ammonium sulfate, 20 g dextrose, 0.04 mg copper sulfate, 0.2 mg ferric chloride, and 0.79 g CSM per liter.

Additions: Ammonium sulfate, dextrose, CSM and trace elements.

1.7 g of powder (YNB w/o Ammonium Sulfate w/o Copper Sulfate w/o Ferric Chloride) and the corresponding additions will be used for one liter of culture medium, which is autoclave at 121°C for 15 minutes for the final use.

Recommended Retest Date: 01/31/2023



01/31/2019 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

This is an electronically generated document
mailto:biotech@mpbio.com
http://www.mpbio.com

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)