

Certificate of Analysis

Product Description: YNB w/ Ammonium Sulfate, w/o Folic Acid, w/o PABA (Powder)
Catalog Number: 40301X2; 4030112
Lot: 143028

Formula: N/A
CAS #: N/A
Physical Description: Off-white Powder with Some 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, Pale Yellow Solution
pH (Without addition; After autoclave)	3.6 - 5.2	4.54
pH (With addition; After autoclave)	3.6 - 5.2	4.35
pH (Without addition; Harvest)	Report Results	4.39
pH (With addition; Harvest)	Report Results	2.68
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

Vitamins

Biotin

Calcium Pantothenate

Folic Acid

Inositol

Niacin

P-Aminobenzoic Acid

Pyridoxine Hydrochloride

Per liter medium

5.0 g

0.002 mg

0.4 mg

0

2 mg

0.4 mg

0

0.4 mg

Riboflavin	0.2 mg
Thiamine Hydrochloride	0.4 mg
Trace Elements	
Boric Acid	0.5 mg
Copper Sulfate	0.04 mg
Potassium Iodide	0.1 mg
Ferric Chloride	0.2 mg
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 20 g dextrose, 4 mg vitamin mix, and 0.79 g CSM per liter.

Additions: dextrose, vitamin mix and CSM.

6.7 g of powder (YNB w/ Ammonium Sulfate, w/o Folic Acid, w/o PABA) 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 (MM/DD/YYYY): 06/30/2024



06/29/2020 - John Huang, PhD
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