

Certificate of Analysis

Product Description: YNB with Ammonium Sulfate, without Phosphates, without Sodium Chloride (Powder)

Catalog Number: 40278X2; 4027812

Lot: CR220906

Formula: N/A

CAS #: N/A

Physical Description: Off-White Powder/Flake 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	4.47
pH (With addition; After autoclave)	3.6 - 5.2	4.28
pH (Without addition; Harvest)	Report Results	N/A
pH (With addition; Harvest)	Report Results	N/A
Cell Growth Test (Without addition)	No Cell Growth	No Cell Growth
Cell Growth Test (With addition)	Cell Growth	Cell Growth
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	4.47

- 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: 0.04 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
- Calcium Chloride: 100 mg

Media are tested for their ability to promote optimum growth of yeast strains when combined with the 20 g dextrose, 1 g potassium phosphate monobasic, 0.1 g sodium chloride, and 0.79 g CSM per liter.

Additions: CSM, dextrose, potassium phosphate monobasic, and sodium chloride.

5.6 g of powder (YNB with Ammonium Sulfate, without Phosphates, without Sodium 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: 08/30/2023



09/29/2022 - Lily Liu
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QM

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