

Certificate of Analysis

Product Description: YNB with Ammonium Sulfate, without Phosphates, without Sodium Chloride (Powder)
Catalog Number: 40278X2; 4027812_
Lot: 119971_

Formula: N/A CAS #: N/A Physical Description: Off-White Powder/Flake with White Particles	Formula Weight: N/A Storage: 15 - 30°C
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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

Components	Per	liter	medium
Nitrogen	Sources		
Ammonium	Sulfate	5000 mg	
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	0.04	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: 08/31/2022

09/04/2018 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager



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