

Certificate of Analysis

Product Description: CSM-Met (Powder)
Catalog Number: 45107X2; 4510712; 4510722
Lot: 139337

<p>Formula: N/A CAS #: N/A Physical Description: White to Off-white Powder</p>	<p>Formula Weight: N/A Storage: 15 - 30°C</p>
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Test	Specification	Result
Clarity and Color of the medium solution (with DOB, after autoclave)	Report Results	Clear, pale yellow solution
Clarity and Color of the medium solution (with DOBA, after autoclave)	Report Results	Clear, yellow solution
pH (with DOB, after autoclave)	4.0 - 4.8	4.80
pH (with DOBA, after autoclave)	Report Result	5.42
pH (with DOB, harvest)	Report Result	2.77
Cell Growth Test	Passes	Passes

FORMULATION:

Drop-Out	Supplementsmg/L
Adenine	10
L-Arginine	HCl 50
L-Aspartic	Acid80
L-Histidine	HCl20
L-Isoleucine	50
L-Leucine	100
L-Lysine HCl	50
L-Methionine	0
L-Phenylalanine	50
DL-Homoserine	80
L-Tryptophan	50

L-Tyrosine	50
Uracil	20
L-Valine	140
Total	750

Chosen reagents are combined in the proper proportions according to the formulation and milled to a powder which thoroughly blends the reagents for uniform distribution. Media are tested and chosen for their ability to promote optimum growth of yeast strains when combined with the DOB (or DOBA). DOB (Drop Out Base) is 1.7g Yeast Nitrogen Base, 5g Ammonium Sulfate, 20g Dextrose per liter. DOBA is DOB with 1.7% agar.

Add 0.75 g of CSM-Met to each liter of DOB or DOBA solution and autoclave at 121°C for 15 minutes for the final use. CSM-Met powder is hygroscopic, therefore minimize exposure to air to prolong storage of powder mixture. Recommended Retest Date (MM/DD/YYYY): 02/29/2024



03/09/2020 - John Huang, PhD
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