

Certificate of Analysis

Product Description: CSM-His-Leu-Trp (Powder)
Catalog Number: 45301X2; 4530112; 4530122
Lot: 154199

Formula: N/A
CAS #: N/A
Physical Description: White Powder

Formula Weight: N/A
Storage: 15 - 30°C

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	4.37
pH (with DOBA, after autoclave)	Report Result	5.35
pH (with DOB, harvest)	Report Result	3.05
Cell Growth Test	Passes	Passes

CSM-His-Leu-Trp Drop-Out Supplements	Formulation in 1 liter product Amount (mg)
Adenine	10
L-Arginine Hydrochloride	50
L-Aspartic Acid	80
L-Histidine Hydrochloride	0
L-Isoleucine	50
L-Leucine	0
L-Lysine Hydrochloride	50
L-Methionine	20
L-Phenylalanine	50
L-Threonine	100
L-Tryptophan	0
L-Tyrosine	50
Uracil	20

L-Valine	140
Total	620

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 0.62 g of CSM-His-Leu-Trp to each liter of DOB or DOBA and autoclave at 121°C for 15 minutes for the final use.
Recommended Retest Date (MM/DD/YYYY): 05/31/2025



05/03/2021 - John Huang, PhD
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