

Certificate of Analysis

Product Description: SC-Trp-Ura (Powder)
Catalog Number: 44201X2; 4420122
Lot: 123967

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, Pale Yellow Solution
pH (with DOB, after autoclave)	4.0 - 4.8	4.02
pH (with DOBA, after autoclave)	Report Result	4.85
pH (with DOB, harvest)	Report Result	2.86
Cell Growth Test	Passes	Passes

FORMULATION:

Drop-Out Supplements	mg/L
Adenine	21
L-Alanine	86.5
L-Arginine HCl	85.6
L-Asparagine	85.6
L-Aspartic Acid	85.6
L-Cysteine HCl	85.6
Glutamine	85.6
L-Glutamic Acid	85.6
Glycine	85.6
L-Histidine HCl	85.6
Myo-Inositol	85.6
L-Isoleucine	85.6

L-Leucine	173.4
L-Lysine HCl	85.6
L-Methionine	85.6
Para-Aminobenzoic Acid	8.6
L-Phenylalanine	85.6
L-Proline	85.6
L-Serine	85.6
L-Threonine	85.6
L-Tryptophan	0
L-Tyrosine	85.6
Uracil	0
L-Valine	85.6
Total	1829.4

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 1.83 g of SC-Trp-Ura to each liter of DOB or DOBA solution and autoclave at 121°C for 15 minutes for the final use.

SC-Trp-Ura powder is hygroscopic, therefore minimize exposure to air to prolong storage of powder mixture.

Recommended Retest Date: 01/31/2023



01/11/2019 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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