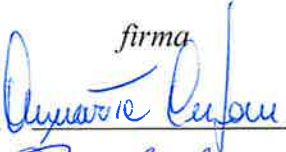
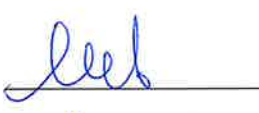


capua bioservices MICROBIAL IDENTIFICATION	SPECIFICHE ANALITICHE	N°: MP-SP-0954 Revisione: 0
Prodotto: L- METIONINA EP USP 25 KG BAG	N° Codice: 10000046257	Pag: 1 di: 1

AUTORIZZAZIONI

	nome	funzione	firma	data
Compilato da:	A. Cerbone	CQC Assistant		10/3/2022
Verificato da:	G. Pragliola	CQC Supervisor		11/03/2022
	L. Piccolo	QC Manager		16 Mar 22
	M. Evangelista	QA Training & Supplier Qualification Specialist		16/03/2022
Approvato da:	V. Marotta	Quality Manager		16 Mar 22

Valido dal: 21/03/2022	Data e firma: 21/03/2022 eg
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Change control n°:	CC/21/0081	Descrizione:	Introduzione MP progetto Bugatti
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Il prodotto viene accettato sulla base del Certificato di analisi (CoA) del fornitore (vedi certificato allegato), dopo aver verificato la conformità della “Descrizione” ed effettuato il test di “Identificazione”.

Fonti	Capua Bioservices
Formula bruta	C ₅ H ₁₁ NO ₂ S
Peso molecolare	149.2
Numero di CAS	63-68-3

Test	Riferimento	Specifiche
Descrizione	IL-MA-0192	Polvere bianca cristallina
Identificazione (IR)	Q-SOP/CQC/052	Positiva

SI AGGIUNGE COA NUOVO FORNITORE HERBI

 30/07/25

CONFIDENTIAL



KYOWA HAKKO BIO CO., LTD.

Head Office: 1-6-1, Ohtemachi, Chiyoda-ku, Tokyo, 1008185, Japan (+81-3-3282-0979)
Hofu Plant: 1-1, Kyowa-cho, Hofu-shi, Yamaguchi, 7478522, Japan

CERTIFICATE OF ANALYSIS

Commodity : L-METHIONINE
Lot No. : 199163
Manufacturing date : JUL. 17. 2019
Analysis date : APR. 13. 2020
Retest date : JUL. 17. 2022

SPECIFICATION	ACCEPTANCE CRITERIA	RESULT
APPEARANCE	WHITE CRYSTALLINE POWDER	WHITE CRYSTALLINE POWDER
IDENTIFICATION	PASS TEST	PASS TEST
SPECIFIC ROTATION(AT 20°C)	+23.0 to +24.0 °	+23.7 °
SPECIFIC ROTATION(AT 25°C)	+22.4 to +24.7 °	+23.8 °
pH	5.6 to 6.1	5.8
STATE OF SOLUTION	COLORLESS AND CLEAR	COLORLESS AND CLEAR
STATE OF SOLUTION(1%)	NOT LESS THAN 98.0 %	NOT LESS THAN 98.0 %
CHLORIDE(Cl)	NOT MORE THAN 0.020 %	NOT MORE THAN 0.020 %
SULFATE(SO ₄)	NOT MORE THAN 0.020 %	NOT MORE THAN 0.020 %
AMMONIUM(NH ₄)	NOT MORE THAN 0.020 %	NOT MORE THAN 0.005 %
HEAVY METALS(Pb)	NOT MORE THAN 5 ppm	NOT MORE THAN 5 ppm
ARSENIC(As ₂ O ₃)	NOT MORE THAN 1 ppm	NOT MORE THAN 1 ppm
IRON(Fe)	NOT MORE THAN 10 ppm	NOT MORE THAN 10 ppm
RELATED COMPOUNDS, TOTAL(AAA)	NOT MORE THAN 0.5 %	NOT MORE THAN 0.03 %
UNSPECIFIED		
IMPURITIES, EACH(HPLC)(EP)	NOT MORE THAN 0.10 %	NOT MORE THAN 0.015 %
TOTAL IMPURITIES(HPLC)(EP)	NOT MORE THAN 0.3 %	NOT MORE THAN 0.015 %
METHIONINE SULFOXIDE(HPLC)(USP)	NOT MORE THAN 0.1 %	NOT MORE THAN 0.05 %
L-ACETYL-D, L-METHIONINE(HPLC)(USP)	NOT MORE THAN 0.2 %	NOT MORE THAN 0.05 %
ANY UNSPECIFIED IMPURITY(HPLC)(USP)	NOT MORE THAN 0.1 %	NOT MORE THAN 0.05 %

The undersigned affirms that contents mentioned above are truly reported in accordance with the analysis by Quality Control Center.

Date of issue : JUN. 08. 2020
Original Manufacturer:
Sekisui Medical Co., Ltd.
Original manufacturer's lot number :
298WGQM
(E747211)
00030

ALL MP-SP-0254
30/07/25



河北昌昊生物科技有限公司
HEBEI CHANGHAO BIOTECHNOLOGY CO., LTD

ADD: EAST OF YUELIANG VILLAGE, JIZHOU TOWN, JIZHOU DISTRICT, HENGSHUI CITY, HEBEI PROVINCE, CHINA

PHONE: +86-318-8696119

FAX: +86-318-8696118

分 析 报 告

CERTIFICATE OF ANALYSIS

产品名称: L-蛋氨酸 Product Name: L-Methionine	数量: Quantity: 100g	批号: Batch No: C250112-1
生产日期: Manufacture date: 2025.01.12	取样日期: Sampling date: 2025.01.13	报告日期: Send out date: 2025.01.13
参照标准: Reference standard: USP40	包装: Package: 25kg/桶	有效期: Expiry date: 2027.01.11

检测项目 Test Items	标 准 Standard	检测结果 Test Results
外观 Appearance	白色结晶或结晶性粉末 White crystals or crystalline powder	符合 Conforms
含量 Assay, %	98.5~101.5	99.3
鉴定 Identification	Infrared absorption	Conforms
旋光 Optical rotation	+22.4° ~+24.7°	+23.4°
PH 值 PH value (10mg/ml in water)	5.6~6.1	5.85
干燥失重 Loss on drying, (100-105°C)%	≤0.3	0.11
灰分 Residue on ignition, %	≤0.4	0.05
硫酸盐 Sulfate, %	≤0.03	<0.03
氯化物 Chloride, %	≤0.05	<0.05
铁盐 Iron, %	≤0.003	<0.003
重金属 Heavy metals, %	≤0.0015	<0.0015
色谱纯度 Chromatographic purity, %	Individual impurity ≤0.5 Total impurities ≤2.0	Conforms
结论: 产品符合 USP40 参考标准 Conclusion: The goods conforms to USP40 Standard.		

检验员: 刘亚
Inspector: Liu Ya

复核人: 朱琳琳
Checker: Zhu Lin Lin

批准人: 王树丽
Approver: Wang Shu Li