

Methionine-dl

CODE ARTICLE: 11696	BATCH: 0123802
TEST DATE: 01/12/2023	TEST: QC-00259225
EXPIRY DATE: 06/06/2025	FABRICATION DATE: 07/06/2022
CAS: 59-51-8	MR: 149,20
FORMULA: C5H11NO2S	
STORAGE: Store in tightly closed containers in a cool, dry place.	

TEST	RESULTS	Units	MIN	MAX	METHOD
APPEARANCE	CONFORM	-		Crystalline powder	PH.EUR.*
COLOUR	CONFORM	-		White	PH.EUR.*
<u>SOLUBILITY</u>					
SOLUBLE	CONFORM	-		Sparingly soluble in water	PH.EUR.*
SOLUBLE	CONFORM	-		Very slightly soluble in ethanol (96 per cent)	PH.EUR.*
SOLUBLE	CONFORM	-		In acid solutions and dilute solutions of alkali hydroxides	PH.EUR.
<u>IDENTIFICATION</u>					
IDENTIFICATION A (IR SPECTRUM)	CONFORM				PH.EUR.*
IDENTIFICATION C (SPECIFIC ROTATION)	CONFORM	DEGREES	-0,05	0,05	PH.EUR.
DISSOLUTION ASPECT	CONFORM	-		Clear and colourless	PH.EUR.
PH	5,7	-	5,4	6,1	PH.EUR.*
RELATED SUBSTANCES	<0,2 %			0,2	PH.EUR.
CHLORIDES	<200 ppm			200	PH.EUR.
SULPHATES	<200 ppm			200	PH.EUR.
LOSS ON DRYING	0,18 %		-	0,5	PH.EUR.
SULPHATED ASHES	0,05 %		-	0,1	PH.EUR.
ASSAY	99,6 %		99	101	PH.EUR.
TRANSMITTANCE	98,8 %		98	-	Manufacture's Standard
AMMONIUM	<0,1 %			0,1	Manufacture's Standard
HEAVY METALS	<0,001 %			0,001	Manufacture's Standard
ARSENIC	<0,0001 %			0,0001	Manufacture's Standard
LEAD	CONFORM	MG/KG		3	Manufacture's Standard
MERCURY	CONFORM	MG/KG		0,1	Manufacture's Standard
CADMIUM	CONFORM	MG/KG		1	Manufacture's Standard
OXIDO DE ETILENO Y 2-CLOROETANOL	CONFORM	MG/KG		0,01	Manufacture's Standard
OTHER AMINOACIDOS	CONFORM				Manufacture's Standard

The data expressed in this certificate of analysis is facilitated by our supplier and/or obtained in our control laboratory, in no case being exempted of the controls demanded by each sector. Tests marked with (*) are verified in Guinama.

Manufacturer Batch: 2212290603 Supplier Code: 405647

GUINAMA S.L. Calle Oslo, 3 46185 La Pobla de Vallbona (Valencia) Spain
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TEST	RESULTS	Units	MIN	MAX	METHOD
CORRECT BATCH	YES				Manufacture's Standard
SAMPLING	COLLECT				Manufacture's Standard
SPECIFICATION	PH.EUR 11				Manufacture's Standard

NON-sterile



The product has been handled in NON-sterile rooms, therefore this product IS NOT STERILE

Silvia Sancho-Tello Ripoll
Technical Director.

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