



GONMISOL
FINE INGREDIENTS

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Productos Químicos Gonmisol S.A.
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Camí de la Verneda 47-49
Sant Adrià de Besòs 08930
Barcelona - Spain (EU)

Certificate of analysis

Certificado de análisis

**L-METHIONINE
USP**

Batch	Manufactured	Expiration	Quantity
CP2821100301	03/10/2021	02/10/2023	4.000 Kg

	Infrared Absorption	Qualified
Identification		Qualified
Specific rotation	+22.4° to +24.7°	+23.60°
pH	5.6 to 6.1	5.86
Loss on drying	not more than 0.3%	0.11%
Residue on ignition	not more than 0.4%	0.07%
Chloride	not more than 0.05%	< 0.05%
Sulfate	not more than 0.03%	< 0.03%
Iron	not more than 0.003%	< 0.003%
Heavy metals	not more than 0.0015%	< 0.0015%
Lead (as Pb)	≤ 3ppm	< 3ppm
Cadmium	≤ 1ppm	< 1ppm
Arsenic (as As)	≤ 1ppm	< 1ppm
Mercury	≤ 0.1ppm	< 0.1ppm
Chromatographic purity	As per USP30 (By TLC)	Qualified
Individual impurity	≤ 0.5%	< 0.5%
Total impurity	≤ 2.0%	< 2.0%
Organic volatile impurities	Meets the requirements	Qualified
Total Plate Count	≤ 1,000 cfu/g	< 1,000 cfu/g
Yeasts and Molds (CFU/g)	≤ 100cfu/g	< 100cfu/g
Escheria Coli	1g/Absent	Qualified



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Salmonella	25g/Absent	Qualified
Staphylococcus aureus	Absent	Qualified
Assay	98.5 to 101.5%	99.30%

Conclusion: Material conforms to the USP30 standard.