



ANALYSIS CERTIFICATE

Lot/Analysis/Analysis N°: 190659

Product:	TARTARIC ACID POWDER
Lot:	190659
Expiry date:	01/06/2029
Reference:	Cumple PhEur9.8
Synonyms:	Acido L-(+)-tartárico. E-334.
Formula:	C ₄ H ₆ O ₆
Molecular weight:	150,09 g/mol

Assay	Result	Specification
Oxalic Acid (oxalate)	<= 360 ppm	<= 360 ppm (anhidro)
Appearance of the S solution (10% water)	Conform	
Organoleptic properties	Conform	Ph. Eur.
Identification	Conform (A,B)	Test Ph. Eur. (A,B)
Heavy metals	<= 10 ppm	< = 10 ppm
Calcium	<= 200 ppm	<= 200 ppm
Sulphates	<= 150 ppm	<= 150 ppm
Chlorides	<= 100 ppm	<= 100 ppm
Assay (acid-base)	99,9 %	99,5-101,0%
Sulphated ashes	0,02 %	<= 0,1 %
Loss on drying (105°C)	0,03 %	<= 0,2%
Specific rotation	+12,3 °	(+12,0°) - (+12,8°)

Organoleptic characteristics:

Conservation: In tightly closed containers. Protect from light.

Date of analysis: 03/09/2019

Judgement:
APPROVED

Responsible: M. Bastida

Technical director: Montserrat Enrique

Product	Name	Capacity	Batch
1102666	ACIDO TARTARICO POLVO	250 g	190659-N-1
1102666	ACIDO TARTARICO POLVO	250 g	190659-N-2
1102666	ACIDO TARTARICO POLVO	250 g	190659-N-3
1102667	ACIDO TARTARICO POLVO (INACTIVO)	500 g	190659-O-1
1102667	ACIDO TARTARICO POLVO (INACTIVO)	500 g	190659-O-2
1102667	ACIDO TARTARICO POLVO (INACTIVO)	500 g	190659-O-3
1102669	ACIDO TARTARICO POLVO	1 kg	190659-P-1
1102669	ACIDO TARTARICO POLVO	1 kg	190659-P-2

1102670	ACIDO TARTARICO POLVO (INACTIVO)	5 kg	190659-Q-1
1102670	ACIDO TARTARICO POLVO (INACTIVO)	5 kg	190659-Q-2
1102670	ACIDO TARTARICO POLVO (INACTIVO)	5 kg	190659-Q-3
1102670	ACIDO TARTARICO POLVO (INACTIVO)	5 kg	190659-Q-4
1102672	ACIDO TARTARICO POLVO	25 kg	190659-T-1
1102672	ACIDO TARTARICO POLVO	25 kg	190659-T-2
M0010700	ACIDO TARTARICO POLVO		190659

This certificate is not initialled as it is computer processed, it is validated with the originals available at Acofarma.

Original manufacturer's certificate available on request.

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