



## ANALYSIS CERTIFICATE

**Lot/Analysis/Analysis N°: 201170**

|                    |                                              |
|--------------------|----------------------------------------------|
| Product:           | TARTARIC ACID POWDER                         |
| Lot:               | 201170                                       |
| Expiry date:       | 01/09/2030                                   |
| Reference:         | Cumple PhEur10.2                             |
| Synonyms:          | Acido L-(+)-tartárico. E-334.                |
| Formule:           | C <sub>4</sub> H <sub>6</sub> O <sub>6</sub> |
| Poids moléculaire: | 150,09 g/mol                                 |

| Assay                                    | Result        | Specification        |
|------------------------------------------|---------------|----------------------|
| Identification                           | Conform (A,B) | Test Ph. Eur. (A,B)  |
| Appearance of the S solution (10% water) | Conform       |                      |
| Organoleptic properties                  | Conform       | Ph. Eur.             |
| Chlorides                                | <= 100 ppm    | <= 100 ppm           |
| Oxalic Acid (oxalate)                    | <= 360 ppm    | <= 360 ppm (anhidro) |
| Calcium                                  | <= 200 ppm    | <= 200 ppm           |
| Sulphates                                | <= 150 ppm    | <= 150 ppm           |
| Specific rotation                        | 12,3°         | (+12,0°) - (+12,8°)  |
| Heavy metals                             | <= 10 ppm     | < = 10 ppm           |
| Sulphated ashes                          | 0,06 %        | <= 0,1 %             |
| Loss on drying (105°C)                   | 0,07 %        | <= 0,2%              |
| Assay (acid-base)                        | 100,7 %       | 99,5-101,0%          |

Organoleptic characteristics:

Conservation: In tightly closed containers. Protect from light.

Date of analysis: 08/10/2020

Judgement:  
APPROVED

Responsible: M. Mesa

Technical director: Montserrat Enrique

| Produit | Nom                              | Capacité | Lot        |
|---------|----------------------------------|----------|------------|
| 1102666 | ACIDO TARTARICO POLVO            | 250 g    | 201170-N-1 |
| 1102666 | ACIDO TARTARICO POLVO            | 250 g    | 201170-N-2 |
| 1102667 | ACIDO TARTARICO POLVO (INACTIVO) | 500 g    | 201170-O-1 |
| 1102667 | ACIDO TARTARICO POLVO (INACTIVO) | 500 g    | 201170-O-2 |
| 1102669 | ACIDO TARTARICO POLVO            | 1 kg     | 201170-P-1 |
| 1102669 | ACIDO TARTARICO POLVO            | 1 kg     | 201170-P-2 |
| 1102669 | ACIDO TARTARICO POLVO            | 1 kg     | 201170-P-3 |
| 1102670 | ACIDO TARTARICO POLVO (INACTIVO) | 5 kg     | 201170-Q-1 |

|         |                                  |       |            |
|---------|----------------------------------|-------|------------|
| 1102670 | ACIDO TARTARICO POLVO (INACTIVO) | 5 kg  | 201170-Q-2 |
| 1102672 | ACIDO TARTARICO POLVO            | 25 kg | 201170-T-1 |
| 1102672 | ACIDO TARTARICO POLVO            | 25 kg | 201170-T-2 |
| 1102672 | ACIDO TARTARICO POLVO            | 25 kg | 201170-T-3 |

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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