



CERTIFICATE OF ANALYSIS

Date: 17/01/16

PRODUCT NAME : TARTARIC ACID EXTRA PURE (+) DEXTRO ROTATORY

CAS No : 87-69-4
Mol. Formula : $C_4H_6O_6$
Mol. WT : 150.09
Exp. : Dec. 2020

Product code : 19300
Batch No : MCR-11019
Mfd. : Jan. 2016

| S. R | Test | Specification | Observation |
|------|--|---|---------------------|
| 1 | Assay | 99.0% w/w min | 99.79% w/w |
| 2 | Specific rotation $[\alpha]^{20}_D$ | +11.9 ⁰ to 12.3 ⁰ | +12.25 ⁰ |
| 3 | Chloride (Cl) | 0.002% max | < 0.002% |
| 4 | Sulphate (SO ₄) | 0.05% max | < 0.05% |
| 5 | Oxalate (C ₂ O ₄) | 0.05% max | < 0.05% |
| 6 | Iron (Fe) | 0.002% max | < 0.002% |
| 7 | Loss on drying (105 ⁰ c) | 0.5% max | 0.01% |
| 8 | Sulphated ash | 0.1% max | 0.08% |

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.

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