

CERTIFICATE OF ANALYSIS

PRODUCT : DL MALIC ACID

INVOICE NO : EXP/233340513

 BATCH NO: 7972FG
 DATE OF MANUFACTURE: 20-Mar-23
 INVOICE DATE : 28-03-2023

REACH REGISTRATION NUMBER: 01-2119552463-40-0000

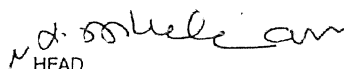
FSSAI LICENSE NUMBER: 10012042000166

| S.NO | DESCRIPTION | UNITS | TEST METHOD | SPECIFICATION | TEST RESULTS |
|------|---------------------------------------|-------|-------------|---|------------------------------------|
| 1 | APPEARANCE | - | -- | White Crystalline Fine Granular | White Crystalline Fine Granular |
| 2 | ASSAY ON DRY BASIS (Titrimetry) | WT % | FCC 13 | 99.5 Min | 99.88 |
| 3 | MALEIC ACID | WT% | FCC 13 | 0.05 Max | 0.039 |
| 4 | FUMARIC ACID | WT% | FCC 13 | 1.0 Max | 0.87 |
| 5 | INFRARED ABSORPTION | - | FCC 13 | The spectrum of the sample exhibits maxima at the same wavelengths as those in the spectrum of the Reference standard | Conforms |
| 6 | RESIDUE ON IGNITION (Sulfated Ash) | WT% | FCC 13 | 0.10 Max | 0.01 |
| 7 | WATER INSOLUBLE MATTER | WT% | FCC 13 | 0.10 Max | 0.01 |
| 8 | (OPTICAL) SPECIFIC ROTATION | - | FCC 13 | - 0.10° to + 0.10° | +0.02° |
| 9 | LEAD | PPM | ICP - MS | 2 Max | Less than 2 |

EXPIRY DATE: BEST BEFORE 24 MONTHS FROM THE DATE OF MANUFACTURE

I/ We hereby declare that the product conforms to the above specification and quality is passed.

 CHEMIST
 QUALITY ASSURANCE LAB


 HEAD
 QUALITY ASSURANCE

FORM NO: L/10/14 Oct' 2022