

1305 – LACTOSE (MONO)

| | | |
|---------------------------|---|-------------------------|
| REF NO: TBL/QA/SS/LC/1305 | STANDARD SPECIFICATION FOR LACTOSE (MONO) | Rev. No: 03 |
| Issue No: 04 | | Review Date: 26/10/2024 |
| Issue Date: 27/10/2021 | | Product code: 1305 |

PRODUCT PROPERTIES

| | |
|--------------------|--|
| C.A.S Number | 10039-26-6 |
| Chemical Formula | C ₁₂ H ₂₂ O ₁₁ . H ₂ O |
| Formula weight | 360.31 |
| Functional Uses | Lactose is used to help form tablets because it has excellent compressibility properties. It is also used to form a diluent powder for dry-powder inhalations. Used as laboratory reagent. |
| Standard Packaging | 500 gm and 25kg. |

PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------|----------------------|
| Appearance | White colour powder. |

CHEMICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION |
|-------------------------------------|-----------------|
| Specific Optical Rotation (at 25°C) | +54.4 to +55.9° |
| Arsenic | NMT – 1 ppm |
| Heavy Metals | NMT – 5 ppm |
| Sulphated Ash | NMT – 0.1% |
| Water | 4.5 – 5.5% |

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

