# Technical Information

## Sucrose
## Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications

### Product Code: TC1048M

## Product Information

| | | |
|---|---|---|
| Product Code | : | TC1048M |
| Product Name | : | Sucrose, Meets USP 41-NF 36, EP 9.0 and BP 2016 testing specifications |
| Synonym | : | D-(+)-Saccharose, Sugar |
| Molecular Formula | : | $C_{12}H_{22}O_{11}$ |
| Molecular Weight | : | 342.30 |
| CAS No. | : | 57-50-1 |

## Technical Specification

| | | |
|---|---|---|
| Appearance | : | Colourless crystals /crystalline powder. |
| Solubility | : | 1 M solution in water is clear and colourless. |
| Identification | : | Passes tests.s |
| Minimum assay (HPLC) | : | 99.0% |
| Specific rotation $[\alpha]_{D}^{20}$ (C=26% in water) | : | $+66.3^0$ to $+67.0^0$ |
| Sulphated ash | : | <= 0.1% |
| Loss on drying (at 100°C) | : | <= 0.1% |
| Acidity or alkalinity | : | Passes test. |
| Sulphites | : | <= 0.001% |
| Dextrins | : | Passes test. |
| Glucose & invert sugar | : | Passes test. |
| Heavy metals (as Pb) | : | <= 0.001% |
| Cell Culture Test | : | Passes test |

## Risk And Safety Information

| | | |
|---|---|---|
| WGK | : | -- |
| RTECS | : | -- |
| Storage Temperature(°C) | : | Store below 30°C |

## Transport Information

| | | |
|---|---|---|
| Marine Pollutant | : | Yes |
| ADR/RID | : | Not Dangerous Goods |
| IMDG | : | Not Dangerous Goods |
| IATA | : | Not Dangerous Goods |

**Animal Cell Culture Tested**

Replace date 04-May-2024