



# PT Sorini Towa Berlian Corporindo

SORBITOL & OTHER POLYOLS MANUFACTURER

## CERTIFICATE OF ANALYSIS

PRODUCT NAME : SORBITOL LTS POWDER 50M

MANUFACTURING DATE : 22 January 2026

BATCH No. : 22014510

BEST BY : 20 January 2028

CUSTOMER : Irida SRL

STANDARD COMPLIANCE : BP, EP, USP/NF, FCC, E420, JECFA, KSFA, JSFA, JP

| TEST ITEM             | RESULT | UNIT   | SPECIFICATION                                                                                       | TEST METHOD        |
|-----------------------|--------|--------|-----------------------------------------------------------------------------------------------------|--------------------|
| Description           | Passed |        | White, hygroscopic powder, crystalline powder, flakes or granule, odorless and having a sweet taste | Organoleptic       |
| Water                 | 0.32   | %      | Not more than 1.0%                                                                                  | Karl Fischer       |
| Melting point         | 98.5   | °C     | Not less than 98 °C and not more than 104 °C                                                        | Melting Point      |
| Reducing sugar        | 0.056  | %      | Not more than 0.2%                                                                                  | Titration          |
| Total sugar           | 0.207  | %      | Not more than 0.67%                                                                                 | Titration          |
| Residue on ignition   | 0.0120 | %      | Not more than 0.1%                                                                                  | Gravimetry         |
| pH (10%)              | 5.6    |        | 3.5 ~ 7.0                                                                                           | pH meter           |
| Lead                  | 0.000  | ppm    | Not more than 0.5 ppm                                                                               | AAS                |
| Heavy metals (as Pb)  | 0.006  | ppm    | Not more than 5.0 ppm                                                                               | AAS                |
| Arsenic               | 0.000  | ppm    | Not more than 1.3 ppm                                                                               | AAS                |
| Nickel (Ni)           | 0.000  | ppm    | Not more than 1.0 ppm                                                                               | AAS                |
| Free acid             | 0.18   | ml     | Not more than 0.5 ml 0.01 N NaOH                                                                    | Titration          |
| Chloride              | 3.01   | ppm    | Not more than 50 ppm                                                                                | Spectrophotometry  |
| Sulphate              | 1.18   | ppm    | Not more than 60 ppm                                                                                | Spectrophotometry  |
| Conductivity (20%)    | 2.13   | µs/cm  | Not more than 20 µs/cm                                                                              | Conductivity meter |
| D-Sorbitol            | 97.7   | %      | Not less than 97.0%                                                                                 | HPLC               |
| Mannitol              | 1.0    | %      | Not more than 2.0 %                                                                                 | HPLC               |
| D-Mannitol            | 0.6    | %      | Not more than 2.0%                                                                                  | HPLC               |
| D-Iditol              | 0.1    | %      | Not more than 2.0%                                                                                  | HPLC               |
| Total bacteria        | 0      | cfu/gr | Not more than 100 cfu/gr                                                                            | Pour Plate Method  |
| Total mould and yeast | 0      | cfu/gr | Not more than 50 cfu/gr                                                                             | Pour Plate Method  |
| Eschericia coli       | Absent | cfu/gr | Absent                                                                                              | Pour Plate Method  |
| Salmonella            | Absent | cfu/gr | Absent                                                                                              | Pour Plate Method  |
| Coliform              | Absent | cfu/gr | Absent                                                                                              | Pour Plate Method  |

BEJI, 26 JANUARY 2026

QUALITY ASSURANCE DIVISION



MASAYOSHI MORITA

Office / Factory:

Desa Cangkringmalang, Beji, Kabupaten Pasuruan 67154, East Java - Indonesia  
Phone : +62-343-656656, Fax : +62-343-656370, E-mail : stbc@stbc.co.id, Website : www.stbc.co.id