

# GULSHAN POLYOLS LTD.

(An ISO 9001:2015 Certified Company)

FACTORY : PLOT NO 762, G.I.D.C. IND. ESTATE, JHAGADIA-393 110,  
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FM-552940

## CERTIFICATE OF QUALITY AND QUANTITY (CERTIFICATE OF ANALYSIS)

Product: SORBITOL 70% SOLUTION NONCRYSTALLINE BP GRADE

Batch No.: BN-02660526

A.R.No.: S-BN-0266/Q.C./2026

Date of Mfg.: 20/05/2026

Expiry Date: 19/05/2031

Batch size: Drums (160 x 300 kgs.)

Dispatch Qty.: Drums (80 x 300 kgs)

Invoice No & Date.: 038/DT.07.06.2026

Date of Dispatch: 07/06/2026

Mfg. Lic. No.: G-1439

Container No: GESU 105418 [2]

PARTY NAME: M/S. IDAN LOGISTICS FOOD TEXTILE IND. & TRADE LIMITED [ TURKEY]

| SR.NO. | TESTS                                                                            | LIMITS                                                                                                                                                                                                                                                                          | OBSERVATION                                           |
|--------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 1.     | Characters                                                                       | Appearance: Clear, colorless, syrupy liquid, miscible with water                                                                                                                                                                                                                | A clear colorless, syrupy liquid, miscible with water |
| 2.     | Identification                                                                   | A The principal peak in the chromatogram obtained with the test solution is similar in retent on time to the principle peak in the chromatogram obtained with reference solution (a)<br>B Angle of rotation is +1.5 to +3.5<br>C It is clear, syrupy liquid at a temp. of 25° C | Complies<br><br>Complies<br>Complies                  |
| 3.     | Appearance of solution                                                           | The solution is clear & colorless                                                                                                                                                                                                                                               | Complies                                              |
| 4.     | pH(14 % aqueous solution)                                                        | 5.0-7.5                                                                                                                                                                                                                                                                         | 6.25                                                  |
| 5.     | Specific gravity(25°c)                                                           | Min.1.285                                                                                                                                                                                                                                                                       | 1.298                                                 |
| 6.     | Refractive index(20°c)                                                           | 1.455-1.465                                                                                                                                                                                                                                                                     | 1.457                                                 |
| 7.     | Conductivity                                                                     | NMT 10 µs/cm                                                                                                                                                                                                                                                                    | 2.29 µs/cm                                            |
| 8.     | Reducing sugars                                                                  | Maximum 0.2 %                                                                                                                                                                                                                                                                   | 0.180 % w/w                                           |
| 9.     | Reducing sugars after hydrolysis.                                                | Maximum 9.3%                                                                                                                                                                                                                                                                    | 5.31 % w/w                                            |
| 10.    | Lead                                                                             | Maximum 0.5 ppm                                                                                                                                                                                                                                                                 | Less than 0.5 ppm                                     |
| 11.    | Heavy Metals                                                                     | Maximum 10ppm                                                                                                                                                                                                                                                                   | Less than 1 ppm                                       |
| 12.    | Arsenic                                                                          | Maximum 2ppm                                                                                                                                                                                                                                                                    | Less than 1 ppm                                       |
| 13.    | Chloride                                                                         | Maximum 50 ppm                                                                                                                                                                                                                                                                  | Less than 3 ppm                                       |
| 14.    | Sulphate                                                                         | Maximum 125 ppm                                                                                                                                                                                                                                                                 | Less than 2 ppm                                       |
| 15.    | Nickel                                                                           | Maximum 1 ppm                                                                                                                                                                                                                                                                   | Less than 1 ppm                                       |
| 16.    | Sulphated Ash                                                                    | Not more than 0.1%w/w                                                                                                                                                                                                                                                           | 0.0198 %w/w                                           |
| 17.    | Assay<br>A D-glucitol<br>(on anhydrous basis)<br>B. Assay<br>(as anhydrous sub.) | Between 72% to 92%<br><br>Between 68% to 72%                                                                                                                                                                                                                                    | 83.69 % w/w<br><br>70.39 % w/w                        |
| 18.    | Water                                                                            | Between 28% to 31%                                                                                                                                                                                                                                                              | 29.61 % w/w                                           |
| 19.    | Ethylene glycol                                                                  | Max 0.10%                                                                                                                                                                                                                                                                       | 0.029 %                                               |
| 20.    | DiEthylene glycol                                                                | Max 0.10%                                                                                                                                                                                                                                                                       | Not detected.                                         |
| 21.    | Total plate count                                                                | <1000 cfu/ml                                                                                                                                                                                                                                                                    | < 10 cfu/ml                                           |
| 22.    | Yeast & mold                                                                     | < 100 cfu/ml                                                                                                                                                                                                                                                                    | < 10 cfu/ml                                           |

Remarks: The material complies as per above specification.

Tested by

Checked by

MANAGER

CORPORATE OFFICE : G-81, PREET VIHAR, DELHI-110 092.

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