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| Page 2 of 2 | KASYAP SWEETNERS LTD. VAPI | |  KASYAP SWEETNERS LIMITED SPREADING THE SMILES |
| | Quality Control Dept. | | |
| | STANDARD OPERATING PROCEDURE | | |
| Title | SPECIFICATION - SORBITOL SOLUTION 70% NON CRYSTALLIZING -BP/EP | | |
| Specification No. | KSL/QC-FP/SPC/04/R-3 | Supersede No. | KSL/QC/SPC/04/R-2 |
| Effective date | 01/04/2022 | Next Review date | 31/03/2025 |

| SR.NO | TEST | SPECIFICATION |
|--|--|--|
| 1. | Description | Clear colorless syrupy liquid, miscible with water. |
| 2. | Identification | |
| | A. Examine the chromatograms obtained in the assay. | The principal peak in the Chromatogram obtained with the test solution is similar in retention time to the principal peak in the Chromatogram obtained with reference solution (a) |
| | B. Optical rotation | +1.5 ⁰ to +3.5 ⁰ |
| | C. Clarity | It is a clear, syrupy liquid at a temperature of 25 ⁰ C. |
| 3. | Appearance of solution | The solution is clear and colorless. |
| 4. | Conductivity | Maximum 10 μS.cm ⁻¹ |
| 5. | Reducing Sugars | Not less than 12.8 mL of 0.05 M Sodium thiosulphate is required and maximum 0.2 % calculated as glucose equivalent. |
| 6. | Reducing sugars after hydrolysis | Not less than 8.0 mL of 0.05 M Sodium thiosulphate is required and maximum 9.3 % calculated as glucose equivalent. |
| 7. | Lead by AAS | Maximum 0.5 ppm |
| 8. | Nickel by AAS | Maximum 1.0 ppm. |
| 9. | Water | 28.0 % to 32.0 % |
| 10. | Assay Anhydrous substance D-Sorbitol (by HPLC) On anhydrous basis | 68.0% to 72.0%. 72.0% to 92.0%. |
| Additional Test : (To be performed if customer required) | | |
| 11. | Microbiological analysis A) Total aerobic microbial count B) Total Yeast and mold count C) Pathogens i) <i>Escherichia Coli</i> ii) <i>Salmonella Abony</i> iii) <i>Pseudomonas Aeruginasa</i> iv) <i>Staphylococcus Aureus</i> v) <i>Candida Alicans</i> vi) <i>Bile tolerant gram negative bacteria</i> | Not more than 1000 cfu/mL Not more than 100 cfu/mL Should be absent Should be absent Should be absent Should be absent Should be absent Should be absent |



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