

## Certificate of Analysis

Date of Testing: 2023-03-07 12:51:16

Date of Next Testing: 2027-03-06 12:51:16

Product Name: **Xylitol**

CAS Number: 87-99-0

Specifications & Purity: 98%

Lot #: C2303117

SKU #: **X100092**

**Analysis:** **186275**

Storage Temperature: Argon charged, Desiccated

| Parameter                                                     | Limit Values                            | Result                                  |
|---------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| (As)Arsenic                                                   | 0-3 (ppm)                               | 1.20 ppm                                |
| Water by Karl Fischer                                         | 0-0.5 (%)                               | 0.16 %                                  |
| Melting point                                                 | 91-95 (°C)                              | 94.66000 °C                             |
| Chloride (Cl-)                                                | 0-50 (ppm)                              | 15.00 ppm                               |
| Purity(HPLC)                                                  | 98-100 (%)                              | 99.63500 %                              |
| Heavy metal (as Pb)                                           | 0-10 (ppm)                              | 3.30 ppm                                |
| Sulfate Ash                                                   | 0-0.5 (%)                               | 0.21 %                                  |
| Purity(Titration by HClO4)                                    | 99-101 (%)                              | 99.90 %                                 |
| Reducing sugars                                               | 0-0.2 (%)                               | 0.10 %                                  |
| Appearance (X100092)                                          | White Powder, Crystals and/or<br>Chunks | White Powder, Crystals and/or<br>Chunks |
| Solubility in H2O , Colorless ,Clear ,50 mg/mL in pass<br>H2O |                                         | Pass                                    |
| Infrared spectrum                                             | Conforms to Structure                   | Conforms to Structure                   |



John Su  
QA & QC Manager