

## Certificate of Analysis

Date of Testing: 2024-05-08 09:42:29

Date of Next Testing: 2028-05-07 09:42:29

Product Name: **D-(-)-Arabinose**

CAS Number: 10323-20-3

Specifications & Purity: 98%

Lot #: G2020188

SKU #: **A111785**

**Analysis:** **354528**

Storage Temperature: Argon charged

| Parameter                                                                                      | Limit Values                                 | Result                                       |
|------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Specific Rotation $[\alpha]_{20/D(c=4 \text{ in H}_2\text{O})}$                                | -105--102 (°)                                | -102.00 °                                    |
| Purity(HPLC)                                                                                   | 98-100 (%)                                   | 99.70000 %                                   |
| Melting point                                                                                  | 153-165 (°C)                                 | 164.80000 °C                                 |
| Appearance (A111785)                                                                           | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Infrared spectrum                                                                              | Conforms to Structure                        | Conforms to Structure                        |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow , Clear , 50 mg/ml H <sub>2</sub> O | pass                                         | Pass                                         |



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