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Certificate of Analysis

| | |
|--------------------------|---|
| Catalogue Number | 21822 |
| Product | D-Melezitose monohydrate |
| Lot Number | 001902-125-1 D(+)-Melezitose monohydrate <i>O</i> - α -D-Glucopyranosyl-(1-3)- β -D-fructofuranosyl-(2-1)- α -D-glucopyranose monohydrate |
| CAS Number | 10030-67-8 |
| Molecular Formula | $C_{18}H_{32}O_{16} \bullet H_2O$ |

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|-------------------------|--|
| Appearance | White powder |
| Solubility | Clear colorless solution (5% in Water) |
| Melting Point | 156 °C |
| Heavy Metals | < 5 ppm (as Pb) |
| Anion | Chloride (Cl ⁻): < 50 ppm Sulfate (SO ₄ ²⁻): < 500 ppm |
| Cation | Arsenic (As): < 0.01 ppm |
| TLC System | Conforms to standard |
| Optical Rotation | $[\alpha]_D^{20} = +88^\circ$ (C=4 in H ₂ O) |
| Sulfated Ash | < 0.1% |
| Purity by HPLC | 99.2% |
| Storage | Store at 0-8 °C |
| Remarks | See material safety data sheet for additional information For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager