

Chem-Impex International, Inc.

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825 Dillon Drive

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Certificate of Analysis

| | |
|--------------------------|---|
| Catalogue Number | 38872 |
| Product | D(+)-Mannose |
| Lot Number | 002300-171109 |
| | D-Mannopyranose |
| CAS Number | 3458-28-4 |
| Molecular Formula | C ₆ H ₁₂ O ₆ |
| Molecular Weight | 180.16 |

| | |
|--------------------------------------|---|
| Appearance | White crystalline powder |
| Odor | Odorless to slightly sweet odor |
| Melting Point | 128 - 132 °C |
| Bulk density | 0.33 g/mL |
| Heavy Metals | < 10 µg/g |
| Cation | Arsenic (As): Not detected (< 0.1 mg/g) Lead (Pb): Not detected (< 0.1 mg/g) Mercury (Hg): Not detected (< 0.01 mg/g) Cadmium (Cd): Not detected (< 0.01 mg/g) |
| Mould and Yeast | < 10 cfu/g |
| Optical Rotation | [α] ²⁰ _D = 13.7 ° |
| Infrared Spectrum | Conforms to structure |
| Loss on Drying | 0.19% |
| Residual Solvents | Complies |
| Coliform Organisms | < 10 cfu/g (Total) |
| E. Coli, Salmonella, S.Aureus | Absence |
| Microbial Count | < 10 cfu/g (Total plate count) |
| Mesh Size | > 90% through 20 mesh 70 - 80% through 80 mesh |
| Purity by HPLC | 99.10% |
| Grade | Suitable for cell culture |
| Storage | Store at RT |

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Additional Information

Tapped density : 0.48 g/mL
Pesticide residues : Complies
Aflatoxins : Not detected

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