

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **Maltose monohydrate**  
Specifications & Purity: **PharmPure™**  
SKU #: **M774661**

| Parameter  | Limit Values   |
|--|----------------|
| Identity (IR)  | passes test    |
| Identity(color test)   | passes test    |
| Identity(Precipitation test)   | passes test    |
| Appearance of solution (color)   | passes test    |
| PH(10% in water)   | 4-5.5          |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})(\text{dry basis})$ | 126-131 (°)    |
| Chloride (Cl <sup>-</sup> )  | 0-0.018 (%)    |
| Sulfate(SO <sub>4</sub> )  | 0-0.024 (%)    |
| Heavy metals(as Pb)  | 0-0.0004 (%)   |
| Arsenic(As)  | 0-1.3 (ppm)    |
| Residual solvents (ICH Q3C)(excluded by production process)                        | Pass           |
| Water by Karl Fischer  | 4.5-6.5 (%)    |
| Residue on Ignition  | 0-0.05 (%)     |
| Dextrin, Starch, and Sulfite   | Pass           |
| Loss on drying(180°C,4h)   |                |
| Total aerobic bacteria count   | 0-1000 (cfu/g) |
| Total number of molds and yeasts   | 0-100(cfu/g)   |
| E.coli absent in 1g  | Pass           |
| Nitrogen content   | 0-0.01 (%)     |
| Methanol   | 0-3000 (ppm)   |
| Purity(HPLC)   | 98-100 (%)     |