

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **D-(+)-Glucose , anhydrous**  
Specifications & Purity: **Moligand™, anhydrous, PharmPure™, pharmaceutical grade**  
SKU # **D639737**

| Parameter                                                                       | Limit Values             |
|---------------------------------------------------------------------------------|--------------------------|
| Appearance(D639737)                                                             | White crystalline powder |
| Purity(HPLC area)                                                               | 99.5-100 (%)             |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } H_2O:NH_3(2+3) = 99.2:0.8)$ | 52.6-53.2 (°)            |
| Chloride Content                                                                | 0-0.01 (%)               |
| Loss on drying                                                                  | 0-1 (%)                  |
| Ignition Residue                                                                | 0-0.1 (%)                |
| Calcium(Ca)                                                                     | 0-0.01 (%)               |
| Iron(Fe)                                                                        | 0-0.001 (%)              |
| Arsenic(As)                                                                     | 0-0.0001 (%)             |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                                         | 0-0.01 (%)               |
| Mold and yeast count                                                            | 0-100 (cfu/g)            |
| Escherichia Coli                                                                | none detected            |
| Endotoxin limit                                                                 | 0-2.5 (EU/g)             |
| Infrared spectrum                                                               | Conforms to Structure    |
| Heavy metal (as Pb)                                                             | 0-0.04 (ppm)             |
| The Total Number of Aerobic Bacteria                                            | 0-1000 (cfu/g)           |