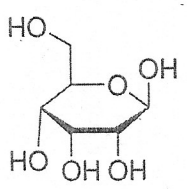
# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

| | |
|---|---|
| **Catalogue Number** | BIO-454 |
| **Product** | **D-(+)-Allose** |
| **Lot Number** | 001684-201560203 |
| | β-D-Allopyranose |
| **CAS Number** | 2595-97-3 |
| **Molecular Formula** | $C_6H_{12}O_6$ |
| **Molecular Weight** | 180.16 |

| | |
|---|---|
| **Appearance** | White crystals or powder |
| **Appearance of Solution** | Dissolve 0.5 g in 10 mL of water and the solution should be clear. |
| **Solubility** | Easily soluble in water, insoluble in ether. |
| **Heavy Metals** | < 20 ppm |
| **Optical Rotation** | $[a]_D$ = +14.5° (C=5 in 5h in $H_2O$) |
| **Infrared Spectrum** | Conforms to structure |
| **Analysis by Mass Spectra** | Conforms to standard |
| **Residue On Ignition** | 0.05% |
| **$^1$H NMR** | Conforms to structure |
| **Assay** | 98.8% |
| **Purity by TLC** | > 99% (One spot) |
| **Storage** | Store at 0-8 °C |




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Sujata Moton
VP