

## CERTIFICATE OF ANALYSIS

**Product Name:** Allantoin Powder

**INCI Name:** C<sub>4</sub>H<sub>6</sub>N<sub>4</sub>O<sub>3</sub>

**Lot No:** BPCAP052023

**Best Before:** May 2026

**Origin:** China

| Characteristic                   | Specification             | Result |
|----------------------------------|---------------------------|--------|
| Appearance                       | White, crystalline powder | Pass   |
| Odor                             | Odorless                  | Pass   |
| Melting Point                    | Min. 230                  | 230.6  |
| Identification A (IR Spectrum)   | Conforms                  | Pass   |
| Identification B (TCL Test)      | Conforms                  | Pass   |
| Identification C                 | Conforms                  | Pass   |
| Identification D                 | Conforms                  | Pass   |
| Content (wt%)                    | 99.0 – 101.0              | 99.82  |
| Loss on Drying (wt%)             | Max. 0.1                  | 0.08   |
| Residue on Ignition (wt%)        | Max. 0.1                  | 0.03   |
| pH (0.5% in water)               | 4.0 – 6.0                 | 4.52   |
| Sulphate                         | Max. 200 ppm              | <200   |
| Chloride                         | Max. 40 ppm               | <40    |
| Optical Rotation (0.5% in water) | -0.10° - +0.10°           | Pass   |
| Acidity or Alkalinity            | Conforms                  | Pass   |
| Related Substances (TLC)         | Conforms                  | Pass   |
| Reducing Substances              | Conforms                  | Pass   |
| Heavy Metals (Pb)(wt%)           | <0.001                    | <0.001 |
| Microbiological Test             | <100 cfu/g                | <10    |
| Conclusion                       | Approved                  |        |

For longer shelf life keep it away from direct light, heat and moisture

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Botanic Planet Canada Inc. 2 Bram Court, Unit #3 Brampton, Ontario, L6W 3R6 Canada

Email: info@botanicplanet.ca www.botanicplanet.ca