



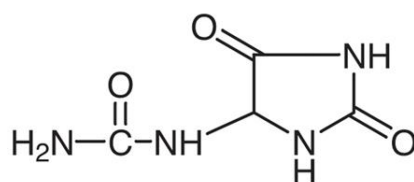
## Certificate of Analysis.

**Allantoin reference standard according to USP/Ph. Eur/BP/IP, AnStan®.**

|                   |  |
|-------------------|--|
| Product code:     | <b>BS13921.</b>  |
| Description:      | <b>Allantoin reference standard according to USP/Ph. Eur/BP/IP, AnStan®.</b> |
| Chemical Name:    | <b>5-Ureidohydantoin.</b>  |
| Pack:             | <b>5 gm.</b>   |
| CAS NO.:          | <b>97-59-6.</b>  |
| Mol. Weight:      | <b>158.12 g/mol.</b>   |
| Mol. Formula:     | <b>C<sub>4</sub>H<sub>6</sub>N<sub>4</sub>O<sub>3</sub>.</b>                 |
| MDL Number:       | <b>MFCD00005260.</b>   |
| Melting Point:    | <b>223 °C.</b>   |
| Boiling Point:    | <b>283.17°C.</b>   |
| Density:          | <b>1.7 g/cm<sup>3</sup>.</b>   |
| Solubility:       | <b>Soluble in DMSO.</b>  |
| Storage:          | <b>Store at Ambient temperature.</b>   |
| LOT NO.:          | <b>Sample.</b>   |
| Manufacture Date: | <b>Lot specific.</b>   |
| Expiry Date:      | <b>5 years.</b>  |

| Test                    | Specification              | Measured Values      |
|-------------------------|----------------------------|----------------------|
| Appearance:             | White powder to crystal.   | <b>Lot specific.</b> |
| Identification by NMR:  | Confirms to the structure. | <b>Lot specific.</b> |
| Identification by MASS: | Confirms to the structure. | <b>Lot specific.</b> |
| Identification by IR:   | Confirms to the structure. | <b>Lot specific.</b> |
| Purity by HPLC:         | >99 %.                     | <b>Lot specific.</b> |

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.



  
**Dr. K. Deepti.**  
**Technical Head.**

