



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Allantoin
Molecular Formula: C₄H₆N₄O₃
Batch No.: HDC20230420
Manufacturing Date: Apr 20th, 2023
Report Date: Apr 21st, 2023

CAS No.: 97-59-6
Molecular Weight: 158.12
Batch Quantity: 1200.00kg
Retest Date: Apr 19th, 2025
Packing Size: 25kg/Drum

| Test Items | Specifications | Test Results |
|--|------------------------|-----------------|
| Appearance | White crystal powder | Conforms |
| Odour | Odourless | Conforms |
| Assay | Not less than 99.00% | 99.5% |
| pH Value (0.5% Aqueous Solution), 25°C | 4.00 ~ 6.00 | 4.8 |
| Ash content | Not more than 0.2% | 0.1% |
| Discrimination experiments | Meets the requirements | Conforms |
| Nitrogen content | 35.0% ~ 35.5% | 35.3% |
| Melting Point | More than 225.0°C | 227.0°C~227.4°C |
| Heavy Metals | Not more than 10 mg/kg | 8 mg/kg |
| Loss on Drying | Less than 0.15% | 0.13% |
| Residue on Ignition | Less than 0.10% | 0.03% |
| Optical Rotation | -0.10° ~ +0.10° | Conforms |

Conclusion: The testing results of this batch are complied with the Enterprise Standard

Storage Conditions: Preserved in unopened original containers in a cool dry place before using; kept away from direct sunlight, heat and moisture.