

Certificate of Analysis



| Product Identification | | Chemical Structure |
|-------------------------|---|----------------------------------|
| Catalog number | HB8334 | |
| Compound name | Sorbic acid | |
| Chemical name | 2,4-Hexenoic acid | |
| Batch number | E1407-1-1 | |
| Batch molecular formula | C ₆ H ₈ O ₂ | |
| Batch molecular weight | 112.13 | |
| Method | QC requirement | QC Result |
| HPLC | Reverse Phase HPLC shows >98% purity | Meets specification: 100% |
| NMR | ¹ H NMR in DMSO at 400 MHz consistent with structure | Meets specification |
| Mass spectrum | APCI negative analysis consistent with structure | Meets specification |
| Microanalysis | Elemental analysis is within 0.4% for the batch molecular formula | Meets specification |
| Physical appearance | White to off-white solid | Meets specification: White solid |
| Solubility | Soluble in DMSO (100 mM), and in ethanol (100 mM) | Meets specification |

Produced by

Signature

Passed by

Signature

Date

28-09-20

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.