

Certificate of Analysis



| Product Identification | | Chemical Structure |
|-------------------------|--|---------------------------------|
| Catalog number | HB0687 | |
| Compound name | 3,3'-Diaminobenzidine (DAB) tetrahydrochloride | |
| Chemical name | 3,3',4,4'-Biphenyltetramine tetrahydrochloride | |
| Batch number | E1586-1-1 | |
| Batch molecular formula | C ₁₂ H ₁₄ N ₄ ·4HCl·3H ₂ O | |
| Batch molecular weight | 414.16 | |
| 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 | Electrospray negative analysis consistent with structure | Meets specification |
| Microanalysis | Elemental analysis is within 0.4% for the batch molecular formula | Meets specification |
| Physical appearance | Off-white to grey solid | Meets specification: Grey solid |
| Solubility | Soluble in water (50 mg/ml) | Meets specification |

Produced by

Signature

Passed by

Signature

Date

22-06-21

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