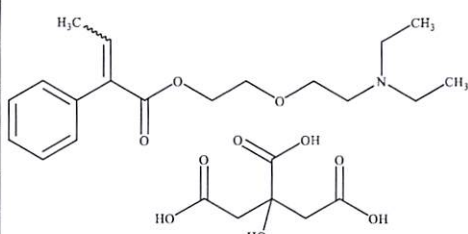


Certificate of Analysis



Certificate No.: 20260617007

Date: June 17, 2026

Retest date: May 20, 2029

| | | |
|------------------------------|---|--|
| Compound Name: | Dehydro Butamirate Citrate (Mixture of E and Z Isomers) | |
| Synonyms: | 2-(2-(diethylamino)ethoxy)ethyl 2-phenylbut-2-enoate, 2-hydroxypropane-1,2,3-tricarboxylic acid (1:1) | |
| TLC Catalogue Number: | B-103017 |  |
| CAS Number: | N/A | |
| Alternate CAS Number: | N/A | |
| Molecular Weight: | 305.42 192.12 | |
| Molecular Formula: | C ₁₈ H ₂₇ NO ₃ . C ₆ H ₈ O ₇ | |
| Source: | TLC Pharmaceutical Standards | |
| Source Lot No.: | 7450-014A3 | |
| Storage Conditions: | Store at 2-8 °C | |
| Solubility: | Methanol, DMSO, Water | |

| Test Description | Specifications | Results |
|--------------------------------|--------------------------|-----------------|
| Visual Description | White to off-white solid | Conforms |
| Identification | | |
| IR | Conforms to structure | Conforms |
| MS | Conforms to structure | Conforms |
| ¹ H NMR | Conforms to structure | Conforms |
| Purity (HPLC) | Not less than 95.0% | 99.9% |
| Impurity (HPLC) | N/A | |
| Water Content (KF) | N/A | 0.5% |
| Residual Solvents (NMR) | 0.1% methanol | |
| Assay (%) | Not less than 90.0% | 99.3% |
| Recommendation: | Release. | |

| Name | Department | Signature | Date |
|---------------------------|-------------------|--|------------|
| Reviewed and approved by: | Quality Control |  | 06/17/2026 |
| Approved by: | Quality Assurance |  | 06/17/2026 |

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.