



ISO 9001:2015 CERTIFIED      CERTIFICATE OF ANALYSIS

|                       |                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | N-Nitroso Benazepril (Mixture of Isomers)                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Molecular Formula     | C <sub>24</sub> H <sub>27</sub> N <sub>3</sub> O <sub>6</sub>                                                                | <p>The chemical structure of N-Nitroso Benazepril (Mixture of Isomers) is shown. It features a central benzazepine core. One nitrogen atom is part of a five-membered lactam ring fused to a benzene ring. The other nitrogen atom is bonded to a nitroso group (NO) and a side chain. This side chain includes a chiral center (marked with a red asterisk) connected to an ethoxy group, a carbonyl group, and a 4-phenylbutyl group. A carboxylic acid group is also attached to the side chain. The structure is overlaid with a large, faint 'ORIGINAL' watermark.</p> |
| Molecular Weight      | 453.5                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Batch Number          | XX-XXXX                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Batch Quantity        | XXX                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Date of Manufacturing | DD-MM-YYYY                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Date of Analysis      | DD-MM-YYYY                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Next Retest Date      | DD-MM-YYYY                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Catalogue Number      | DCTI-C-3302                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CAS Number            | NA                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| COA Number            | PA-XXXX                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| IUPAC Name            | 2-((S)-3-(((S)-1-ethoxy-1-oxo-4-phenylbutan-2-yl)(nitroso)amino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-1-yl)acetic acid |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Storage and Handling  | 2-8°C                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| Sl. No | * Test                                        | Result |
|--------|-----------------------------------------------|--------|
|        | Description                                   |        |
| 1.     | Identification i) By IR ii) By NMR iii) By MS | --     |
| 2.     | Chromatographic Purity (% by HPLC)            | --     |

Remarks: \*Test or tests as mentioned above may vary as per the product nature or customer's requirement

| Function      | Compiled by         | Reviewed by         | Reviewed by       | Approved by       |
|---------------|---------------------|---------------------|-------------------|-------------------|
| Name          | xxx                 | xxx                 | xxx               | xxx               |
| Department    | Pharma Standards QC | Pharma Standards QC | Quality Assurance | Quality Assurance |
| Sign and Date |                     |                     |                   |                   |

|                  |                                         |
|------------------|-----------------------------------------|
| Attachments      | IR, NMR, MS spectra, HPLC Chromatogram. |
| Date of Shipment | DD-MMM-YYYY                             |

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