



## SYNCHEMIA RESEARCH CHEMICAL

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### CERTIFICATE OF ANALYSIS

|                                                        |                                                                                                   |                                                                      |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Product Name</b>                                    | : Amitriptyline Hydrochloride                                                                     |                                                                      |
| <b>CAS NO</b>                                          | : 549-18-8                                                                                        |                                                                      |
| <b>Batch No</b>                                        | : NA                                                                                              |                                                                      |
| <b>Date of Analysis</b>                                | : NA                                                                                              |                                                                      |
| <b>Retest Date</b>                                     | : NA                                                                                              |                                                                      |
| <b>Structure</b>                                       | : Certificate Header                                                                              |                                                                      |
| <b>Chemical Name</b>                                   | : 3-(10,11-Dihydro-5H-dibenzo[a,d]cycloheptene-5-ylidene)-N,Ndimethylpropan-1-amine Hydrochloride |                                                                      |
| <b>Molecular Formula</b>                               | : C <sub>20</sub> H <sub>23</sub> N : HCl                                                         |                                                                      |
| <b>Molecular Weight</b>                                | : 277.4 : 36.5 g/mol                                                                              |                                                                      |
| <b>Sr. No.</b>                                         | <b>Test</b>                                                                                       | <b>Result</b>                                                        |
| 1)                                                     | <b>Description</b>                                                                                | NA                                                                   |
| 2)                                                     | <b>Solubility</b>                                                                                 | NA                                                                   |
| 3)                                                     | <b>Identification</b><br>1.Mass<br>2. <sup>1</sup> H NMR<br>3.IR                                  | Confirm to structure<br>Confirm to structure<br>Confirm to structure |
| 4)                                                     | <b>Purity by HPLC</b>                                                                             | NA                                                                   |
| <b>Long Term Storage Condition</b> 2–8 degrees Celsius |                                                                                                   |                                                                      |

#### Prepared and Reviewed By



Ms Ashwini Gaikwad  
(QC DEPARTMENT)

#### Approved By



Ms Komal Kapase  
(QA DEPARTMENT)



**Note:** This is only for Analytical testing purpose, not for Human or Animal Consumption