

## **CERTIFICATE OF ANALYSIS**

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| 1. Identificati             | ion   |                      |  |  |
|-----------------------------|---|----------------------|--|--|
| Catalogue<br>Number:        | A291580   | CAS<br>Number:       | 50-42-0  |  |
| Product:                    | Adiphenine Hydrochloride                                    | Synonym:             | a-Phenylbenzeneacetic Acid 2-<br>(Diethylamino)ethyl Ester Hydrochloride;<br>Diphenylacetic Acid 2-(Diethylamino)ethyl<br>Ester Hydrochloride; 2-Diethylaminoethyl<br>Diphenylacetate Hydrochloride; Adifenin<br>Hydrochloride; Adiphen Hydrochloride; Difacil<br>Hydrochloride; Diphacil Hydrochloride; NSC<br>129224; Patrovina; Paxil; Sentiv;<br>Spasmolytin; Spasmolytin Hydrochloride;<br>Spasnil; Trasentin Hydrochloride; Trasentine<br>Hydrochloride; Vegantin; β-Diethylaminoethyl<br>Diphenylacetate Hydrochloride; |  |
| Structure:                  | Me  |                      | Molecular Formula:   |  |
|                             | N Me · H  | CI                   | C20H26CINO2  |  |
|                             |   |                      | Molecular weight:  |  |
|                             |   |                      | 347.88   |  |
|                             |   |                      | Source of Product:   |  |
|                             |   |                      | N/A  |  |
|                             |   |                      | Solubility:  |  |
|                             |   |                      | DMSO (Slightly), Methanol<br>(Slightly)  |  |
| Lot 1-SYQ-95-1<br>Number:   |   | Purity:              | 98%  |  |
| Shipping<br>Condition:      | This Product Is Stable To Be<br>Shipped At Room Temperature | Storage<br>Condition | 20°C   |  |
| 2. Warning                  |   |                      |  |  |
| Warning 1: Warning 2:       |   | :                    | Warning 3:   |  |
| 3. Analytical 1             | Information   |                      |  |  |
| Tests:                      | Specifications:   |                      | Results:   |  |
| Appearance White Solid      |   |                      | White Solid  |  |
| HPLC Purity                 | / Report Result   |                      | 99.42% (200 nm)  |  |
| NMR                         | Conforms to Structure                                       |                      | Conforms   |  |
| Elemental Analysis Conforms |   |                      | %C: 68.21, %H: 7.27, %N: 3.85  |  |
|                             |   |                      |  |  |

Additional Information:

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm$  2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

N/A

4. Signatures

| <b>Reviewed By</b> | <b>Reviewed By</b> | C of A Approved<br>By | Test Date | Retest Date |
|--------------------|--------------------|-----------------------|-----------|-------------|
| Sarbjeet Kaur      | Toni Rantanen      | Chanell Chu           | 6/26/2023 | 6/24/2030   |
| Sarbjut Kowe       | hito               | Chandel Chu           |           |             |