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## **CERTIFICATE OF ANALYSIS**

Analysis Date:

Re-test Date:

## **Product Name: Vortioxetine Impurity 45**

## Identification:

Chemical Name: N-(2-Chloroethyl)-N-(2-hydroxyethyl)-4-methylbenzenesulfonamide

| Synonyms          | : NA           |       |
|-------------------|----------------|-------|
| CAS Number        | : NA           |       |
| CAT Number        | : CP-V36115    |       |
| Molecular Formula | : C11H16CINO3S | 0=S=0 |
| Molecular Weight  | : 277.8        | но    |
|                   |                |       |

## **Analytical Information:**

| Sr. No. | Test           | Result                   |
|---------|----------------|--------------------------|
| 1)      | Description    | Solid                    |
| 2)      | Solubility     | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS   | Confirm to structure     |
| 4)      | Purity By HPLC | >95%                     |
| 5)      | 1HNMR          | Confirm to structure     |



Prepared and Reviewed By

Ms Priyanka Salunkhe (Quality Control) **Approved By** 

Ms Rohini Gagare (Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.