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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Vildagliptin Impurity 60

Identification:

Chemical Name: 6,6',7,7',8,8a,8',8'a-octahydro-[3,3'-bipyrrolo[1,2-a]pyrazine]-1,1',4,4'-tetraone

| Synonyms | : NA | 0 |
|-------------------|--------------|----------|
| CAS Number | : NA | |
| CAT Number | : CP-V1125 | |
| Molecular Formula | : C14H14N4O4 | O N |
| Molecular Weight | : 302.29 | 0 |
| | | |

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) | H1NMR | Confirm to structure |



Prepared and Reviewed By

Ms Priyanka Salunkhe (Manager QC Analytical) Approved By

Ms Rohini Gagare (QA Head)

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