UV DETERMINATION.

STANDARDS SOLUTION PREPARATION:

Standard Solution A: Accurately weigh about 20mg Nefazodone Hydrochloride A.S. into a 20mL volumetric flask, dissolve and make up to volume with methanol.

Standard Solution B: Transfer 1.0mL of standard solution A into a 50mL volumetric flask and make up to volume with methanol.

SAMPLE SOLUTION PREPARATION:

Accurately Weigh and completely transfer the sample contents of each container into a A mL volumetric flask, add B mL of methanol, shake in an automated shaker for at least 30 minutes.

MAKE up to volume with methanol and filter through 0.45µ syringe filter (Gelman sciences HPLC acrodiscs GHP recommended). Discard the first 10 mL filtrate.

DILUTE the filtrates sample solution with methanol depending on sample weight, to a concentration of about 0.02mg/mL.

NOTE: For sample solution concentration of about 1mg/mL, dilution of 1.0mL to 50mL is recommended.

Dilution Table 01

<table>
<thead>
<tr>
<th>Dosage Unit (mg)</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
</tr>
</thead>
<tbody>
<tr>
<td>A mL volumetric flask</td>
<td>50</td>
<td>100</td>
<td>200</td>
<td>200</td>
<td>250</td>
</tr>
<tr>
<td>B mL methanol</td>
<td>40</td>
<td>80</td>
<td>160</td>
<td>160</td>
<td>200</td>
</tr>
</tbody>
</table>

METHOD:

Using a UV spectrophotometer determine the absorbance of the STANDARD and the diluted SAMPLE solutions at a wavelength of 250nm, using methanol as blank.
CALCULATION:

Use a validated in-house computer program for calculation of tablet content uniformity of blend or alternatively, use the following formula:

\[
\frac{\text{Smp. Response}}{\text{Avg. Std Response}} \times \frac{\text{Std wt} \times (\text{mg})}{20\text{mL} \times 50} \times \frac{\text{Smp. vol} (\text{A mL})}{\text{Smp. wt} (\text{mg})} \times \frac{F^{**}}{DC^{***}} \times 100 = \% \text{ Nefazodone HCl of declared amount}
\]

1* Take into account the potency of standard, according to its certificate of analysis
2** F - Factor dilution
3*** DC - declared content (mg nefazodone HCl/mg blend) = 0.51