

The above results show that the recovery % for test and reference formulation are within the accepted range, and from all the chromatograms we conclude that the method is selective.

### 3.8 Force degradation

This test was done by applying the active ingredients, finished dosage form to extreme derivative conditions such as basic and acidic conditions.

- Acidic conditions : 5 mL of 1 M HCl for 1 hr.
- Basic conditions : 5 mL of NaOH for 1 hr.

The results are shown in table (25) and chromatograms are within figures (32,33,34,35,36,37,38,39, and 40).

Table (25): Peak purity for the standard, active ingredient and placebo solution

<b>Sample name</b>	<b>Purity of Esomeprasole(%)</b>	<b>Purity of Tadalafil(%)</b>
<b>Standard at normal condition</b>	99.91	99.91
<b>Sample at normal condition</b>	99.92	99.90
<b>Standard with 1M HCl</b>	99.92	99.87
<b>Sample with 1M HCl</b>	99.94	99.32
<b>Standard with 1M NaOH</b>	99.98	99.45
<b>Sample with 1M NaOH</b>	99.94	99.85