



Figure 6: The plot of linearity of calibration curve levels for candesartan quantification against their analytical response and regression linear equation.

### 3.1.5 Stability

From the table's data, we find the autosampler stability test is passed according to the ICH accepted range where the accuracy % doesn't exceed 15%. Table 37 and 38 shows data for short term stability indicated by two QC concentrations (low, high) for candesartan after preparation procedure (auto-sampler stability), T=4 C °.

**Table 37: candesartan QC low samples stability autosampler procedure at 4 C °.**

| QC Low ( 30 ng/ml) |          |        |        |                |               |           |           |
|--------------------|----------|--------|--------|----------------|---------------|-----------|-----------|
| Time               | AUC Drug | AUC IS | Ratios | Measured Conc. | Mean Measured | Accuracy% | Stability |
| 0.00<br>Hour       | 7032     | 50172  | 0.140  | 30.945         | 30.663        | 103.15    | 100.00    |
|                    | 6893     | 51216  | 0.135  | 29.281         |               | 97.60     |           |
|                    | 7501     | 52499  | 0.143  | 31.763         |               | 105.88    |           |
| 24.00<br>Hours     | 7373     | 52124  | 0.141  | 31.335         | 30.985        | 104.45    | 101.05    |
|                    | 7039     | 50656  | 0.139  | 30.587         |               | 101.96    |           |
|                    | 7448     | 53033  | 0.140  | 31.032         |               | 103.44    |           |