

The highest recovery of sildenafil (IS) in serum was shown by QC low of 103.16% while the lowest recovery was obtained by QC high of 99.23% which are considered acceptable recovery ratios of sildenafil between mobile phase and serum as shown in **table 3.47**.

**Table 3.47** Absolute recovery ratios of sildenafil citrate (internal standard) in serum.

Concentration	AUC mean in serum	AUC mean in mobile phase	Absolute Recovery
150 ng/ml QC Low	117653	114053	103.16
1500 ng/ml QC Mid	128485	128046	100.34
2500 ng/ml QC High	121769	122717	99.23