

The highest recovery of sildenafil (IS) in Krebs buffer was shown by QC mid of 94.89% while the lowest recovery was obtained by QC low of 91.62% which are considered acceptable recovery ratios according to EMEA guidelines for sildenafil between mobile phase and Krebs buffer as shown in **table 3.24**.

Table 3.24 Absolute recovery ratios of sildenafil citrate (internal standard) in Krebs buffer.

Concentration	AUC mean in Krebs buffer	AUC mean mobile phase	Absolute Recovery
150 ng/ml QC Low	117372	128104	91.62
1500 ng/ml QC Mid	120085	126548	94.89
2500 ng/ml QC High	120330	126990	94.76