

### 3.9.2 ANOVA Single Factor Test for Tadalafil Validation Data

#### 3.9.2.1 Method Reproducibility

##### 3.9.2.1.1 Variation of Analysis

**Table (27): ANOVA single of Tadalafil for Variation of day and equipment**

Analysis of Variance (One-Way) Summary						
Groups	Sample size	Sum	Mean	Variance		
Day 1	6	605.4	100.9	0.788		
Day 2	6	603	100.5	1.144		
ANOVA						
Source of Variation	SS	df	MS	F	p-level	F crit
Between Groups	0.48	1	0.48	0.496894	0.496957	4.964603
Within Groups	9.66	10	0.966			
Total	10.14	11				

The analysis of variation test indicate that the method was significant for esomeprazole and tadalafil in all presented conditions.