**Table 11. Pairwise comparison of the A549 EGCG Concentration Inhibitory effect (%) between different concentration**

| Tukey Post-Hoc Test – A549 EGCG Concentration Inhibitory effect (%) | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Control group (0 μM)** | | **Low-dose treatment group (5 μM)** | | **Middle dose group (30 μM)** | | **High-dose treatment group (50 μM)** | |
| Control group (0 μM) |  | Mean difference |  | — |  | 11.8 | \*\*\* | 30.2 | \*\*\* | 55.6 | \*\*\* |
|  |  | p-value |  | — |  | < .001 |  | < .001 |  | < .001 |  |
| Low-dose treatment group (5 μM) |  | Mean difference |  |  |  | — |  | 18.4 | \*\*\* | 43.8 | \*\*\* |
|  |  | p-value |  |  |  | — |  | < .001 |  | < .001 |  |
| Middle dose group (30 μM) |  | Mean difference |  |  |  |  |  | — |  | 25.4 | \*\*\* |
|  |  | p-value |  |  |  |  |  | — |  | < .001 |  |
| High-dose treatment group (50 μM) |  | Mean difference |  |  |  |  |  |  |  | — |  |
|  |  | p-value |  |  |  |  |  |  |  | — |  |
| Note. \* p < .05, \*\* p < .01, \*\*\* p < .001 | | | | | | | | | | | |
|  | | | | | | | | | | | |

The Pairwise comparison of the A549 EGCG Concentration Inhibitory effect (%) between different concentration depicted statistically significant difference between concentration (p<0.05)