**4-Method:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Standard | Soft drink sample | Water | Ammonium molybdate | Ascorbic acid |
| Blank | ---- | ---- | --- | 0.5 ml | 0.5 ml |
| 3 ppm | 2 | ---- | --- |
| 4.5 ppm | 2 | ----- | --- |
| 6 ppm | 2 | --- | --- |
| 12 ppm | 2 | --- | --- |
| 15 ppm | 2 | --- | --- |
| SD (try different concentration) |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

* **Mix throughly after each addition .**
* **Allow to stand for 10 min (a deep blue/green colour should develop).**
* **Measure the absorbance at 650 nm.**

**5-Result:**

|  |  |  |
| --- | --- | --- |
| Solution | Absorbance | Concentration (ppm) |
| S1 |  | **15** |
| S2 |  | **12** |
| S3 |  | **6** |
| S4 |  | **4.5** |
| S5 |  | **3** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**6-Calculations:**

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