1. **GENERAL DATA AND INFORMATION :**

Serial no:

Manufacture:

Class:

Burden:

Vt. Ratio:

1. **MECHANICAL CHECK AND VISUAL INSPECTION:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Item |   |   | Description |   |   | Checked |
| 1 | Inspect for physical damage / defects |   |
| 2 | Verify nameplate information for correctness  |   |
| 3 | Check tightness of all bolted connections |   |
| 4 | Check all grounding connections are securely |   |

1. **ELECTRICAL TEST**
	1. **POLARITY TEST :**

|  |  |  |
| --- | --- | --- |
|  Phase | Primary | Winding 1( A – N ) |
| N | A – N |  |

* 1. **INSULATION RESISTANCE TEST :**

|  |  |  |
| --- | --- | --- |
| Phase | Insulation Resistance (M.Ω ) | Remarks |
| Primary - earth |  |  |
| Primary - secondary |  |  |
| Secondary - earth |  |  |

Applying voltages

* Secondary to ground : 1KV for 1 minute
* Primary to ground : 5 KV for 1 minute
* Primary to secondary : 2.5 KV for 1 minute
* Secondary to ground = More than 100 M.Ω
* Primary to ground & primary to secondary = More than 1 G.Ω

Criteria

* 1. **WINDING RESISTANCE:**

Ambient temp: **o**C

|  |  |
| --- | --- |
| Phase | Primary Winding |
| At oc | At 75 oc |
| N |  |  |

|  |  |
| --- | --- |
| Phase | Secondary Winding 1 |
| at oC | at 75 oC |
| n |  |  |

R75 = Rt (234.5 +75) / (234.5 + t)

Where:

 t is ambient temp. ,

 R is resistance at ambient temperature.

Criteria:

* 1. **V.T RATIO TEST :**

|  |  |  |
| --- | --- | --- |
| Phase | Injected primary voltage | Secondary Voltage (V) |
| Winding 1 | Error% |
| Expected | Measured |
| N |  |  |  |  |

Criteria: