**Tanta University**

**Faculty of Dentistry**

**Precision Measurements Lab**

**Chewing simulator**

|  |  |  |  |
| --- | --- | --- | --- |
| longitudinal | | circular | |
| Total machine cycle |  | Circle diameter |  |
| Specimen Type |  | Maximum intrusion depth |  |
| Stroke up /down | / | speed |  |
| Speed up / down | / | Cycle target circular |  |
| Latertal stroke |  | Full/half circle |  |
| Lateral speed |  | direction |  |
| Motion direction | Back;front / front; back |  |  |
| Low impact |  |  |  |
| Application point load |  |  |  |
| Specimen Storage | Available Not Available |  |  |
| Specimen may be Damaged | Agree | Specimen may be Damaged | Agree |
| Notes |  | Notes |  |

**INSTRON 3365**

|  |  |
| --- | --- |
| Test Type |  |
| Specimen Type |  |
| Load Cell / Force Range |  |
| Cross head speed |  |
| Time | *Only for creep test* |
| Specimen Attachment |  |
| Load Attachment |  |
| Point of load application |  |
| Specimen holder | Available Not Available |
| Specimen Storage | Available Not Available |
| Specimen may be Damaged | Agree |
| Notes |  |

**thermocycling**

|  |  |
| --- | --- |
| Cold bath time |  |
| Cold bath degree |  |
| hot bath time |  |
| hot bath degree |  |
| Number of cycle |  |
| Drip interval time |  |
| Specimen after test | Air cold hot |
| Specimen Storage | Available Not Available |
| Specimen may be Damaged | Agree |
| Notes |  |

**ISOMET 5000**

|  |  |
| --- | --- |
| Specimen Type | Hard Extra Hard |
| Datum | Yes NO |
| Number of cuts |  |
| Cutting Thickness |  |
| Speed |  |
| Feed Rate |  |
| Disk Type | Diamond Carbide |
| Disk thickness |  |
| Specimen holder | Available Not Available |
| Specimen Storage | Available Not Available |
| Specimen may be fractured | Agree |

**Zwick/Roell hardness**

|  |  |
| --- | --- |
| Test Type | Vicker Knoop |
| Specimen Type |  |
| Load |  |
| Time |  |
| Area of indentation |  |
| Smooth |  |
| Flat |  |
| Parallel to Base |  |
| Specimen holder | Available Not Available |
| Specimen Storage | Available Not Available |
| Specimen may be Damaged | Agree |
| Notes |  |

**Researcher Name:** …………………………………………………………….

**Tel Number:** …………………………………………………………….

**Signature:** …………………………………………………………….