**GAS CHROMATOGRAPH**

**MODEL SHIMADZU GC-2010**

***A gas chromatograph (GC) is an analytical instrument that measures the content of various components in a sample. The analysis performed by a gas chromatograph is called gas* *chromatography.***

**SPECIFICATIONS**:

1. **Sample Injection Method :** Liquid Sample Injection via special Micro syringe
2. **Sample Volume :** 0.1 – 8.0 ml ( Using 10 ml Syringe )

 0.5 – 40 ml (Using 50 ml Syringe)

 2.5 – 200 ml (Using 250 ml Syringe)

**3. Sample Vials:** Glass Construction, 1.5 ml, 4ml Screw top

**4. Syringe speed:** 2 modes (fast and slow)

**5. Plunger Speed:** 3 modes (fast, medium and slow)

**6. Types of sample injection:** 3 modes.

 a. Traditional

 b. Solvent Flush

 c. Solvent flush with second solvent

**7. Injection Volume linearity:** ±0.5%

**ACCESSORIES:**

* Gas Chromatograph
* Nitrogen phosphorus detector
* 1.5 ml sample vial set
* Auto injector
* AOC-205 Liquid Autosampler
* Columns
	+ Pesticides and Herbicides Rtx – 50
	+ Volatile Organic compounds
	+ Nitroaromatic, isophorone and alcohol
	+ Hydrocarbon and alcohol
	+ Special purpose Rtx -1