

SPECIFICATIONS FOR :Class II Bio - Hazard Safety Cabinet:

- The unit must be manufactured from mild steel and epoxy powder coated electric white after manufacture.
- The unit must be PLC controlled by a touch screen display mounted on the front panel.
- All the necessary safety features must be in place with alarms.
- Unit to be illuminated with 220V T8 Daylight LED Tubes, from the inside of the units.
- A Differential pressure gauge to be fitted for the continuous monitoring of the main Hepa Filter
- A constant volume EC type double inlet Centrifugal fan is used as this is controlled by a PC Modbus system.
- The sash to consists of a hinged 6mm toughened glass
- The internal work surface and back to be manufactured from 304L Stainless Steel and electro polished.
- A Germicidal UV light, with a timer and safety interlocked to be fitted to ensure lab technicians cannot be exposed to the harmful UV rays.
- 220V AC plug points fitted inside the work chamber.
- The Stand is manufactured from 50mm mild steel sq tubing and powder coated. It has thread-type adjustable feet.
- External Dimensions excluding the stand - 1330mm Wide x 780mm Deep x 1400mm High
- The cabinet must be Homologated by the National Regulator for Compulsory Specifications. Homologation certificate to be attached to tender documents
- Post installation validation testing to be done in the factory and certification of this will be provided in the manual per unit.
- Validation testing to be carried out during / after installation per site.
- All validation testing to be done by certified technicians with accordance to VC8041 standards (technicians' qualification to be attached)
- Validation certificates to be issued thereafter.

Signed:

Lab Manager

[Signature] 26/7/2022

QA/BM

X Madikane *[Signature]* 26/7/2022