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| --- | --- |
| **Feature** | **Required Specification** |
|  |  |
| **WORK TOPS** |
| Material | Chemical and Heat resistant Epoxy Resin |
| Thickness | 19 mm or more |
| Color | Customized (pure white or green preferred)  |
| Properties (Similar to following standard) | Test Method S.I |
|  1. Compressive Strength  | ASTM D695 136.5 MPa |
|  2. Flexural Strength  | ASTM D790 55.1 MPa |
|  3. Heat Distortion Temperature  | ASTM D648 200°C |
|  4. Rockwell ‘M’ Hardness  | ASTM D785 90 |
|  5. Fire Resistance  | ASTM D635 Self Extinguishing |
|  6. Water Absorption  | ASTM D570 0.022% |
|  7. Density  | ASTM D792 1.95g/cm3 |
| Testing | Chemical Resistance Test to ASTM D3023 and ASTM C1376 |
| Chemical resistivity | No Detectable change in the material surface for Alcohols |
| Others | Certified Green Product |
|   |   |
|   |   |
| **LABORATORY TABLE STRUCTURE** |
|  Material | 304 Stainless Steel (or better) |
| Stainless Steel thickness  | ~ 2.0 mm |
| Coating | Should be Epoxy Powder Coated |
| Epoxy coated thickness  | 70 microns or better |
| Adjustable levelling feet | Should be available |
| Work height of the table  | 900 mm |
|   |   |
| **UNDER BENCH CABINET, DRAWERS AND STORAGE CABINRTS** |
| Sheet Material (interior) | polypropylene |
| Exterior  | Should be Epoxy Powder Coated 304 stainless steel  |
| Doors open  | Should be more ~ 180 degrees |
| thickness | ~2 mm  |
| Epoxy thickness  | 70 microns or better |
| Double skinned doors and drawers | Should be available |
| Handles  | 316 Stainless steel |
| Locks  | Should be available |
| **SERVICE PANNEL** |
|  Sheet Material |  polypropylene |
| Steel sheet thickness | 0.8 mm or better |
| Epoxy coated thickness  | 70 microns or better |
| Adjustability | Adjustable and interchangeable  |
| Gas taps and power sockets (Brass or coper) | Should be available at front place |
|  |   |
| **LAB SINK** |   |
| Material | Polypropylene |
| Accessories | Laboratory bottle trap and laboratory sink waste and total drainage accessories |
|   |   |
| **WATER TAP** |   |
| Water Taps | Three way water taps |
| Material | Solid high quality brass |
| Joints | Joints are brazed using 40% silver |
| Valve & Handle | Ergonomically designed and injection molded in chemical resistant polypropylene  |
| Color Standards | Accordance to DIN color code standards |
| Finishing | Epoxy powder coated  |
| Color | White |
| Standards (Similar to) | BS EN 5412  |
|   | Salt Spray Test BS EN 248  |
|   | WELS Toxicity Test SS 375  |
|   | Metal Extraction AS/NZS 4020  |
|   |   |
| Manufacturer Authorization | Manufacturer AuthorizatA6:B67ion Letter should be submit |
|  |  |