

### Laboratory Equipment's for Standardization and Quality Control

| Code        | Testing Equipment's                                                                        | Qty.                             | Location                                                  |
|-------------|--------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------|
| 01-02-00001 | Atomic Absorption flame & Flam less                                                        | 3                                | Standardization and Quality Control laboratories- Baghdad |
| 01-02-00002 | U.V and visible spectrophotometer                                                          | 2                                |                                                           |
| 01-02-00003 | I.R. Spectrophotometer                                                                     | 3                                |                                                           |
| 01-02-00004 | High Performance liquid chromatography                                                     | 2                                |                                                           |
| 01-02-00005 | T.L.C Coating machine                                                                      | 2                                |                                                           |
| 01-02-00006 | G.L.C. Chromatography                                                                      | 2                                |                                                           |
| 01-02-00007 | G.C. Mass                                                                                  | 1                                |                                                           |
| 01-02-00008 | T.L.C Plates ans solvents                                                                  | Quantity                         |                                                           |
| 01-02-00009 | Trace Analyzer for water                                                                   | 2                                |                                                           |
| 01-02-00010 | U.V Digester                                                                               | 2                                |                                                           |
| 01-02-00011 | Rapid detection method Kit<br>-For antibiotics<br>-For microbiology<br>-For trace elements | Quantity<br>Quantity<br>Quantity |                                                           |
| 01-02-00012 | Head space Analyzer                                                                        | 2                                |                                                           |
| 01-02-00013 | Interference Analyzer                                                                      | 2                                |                                                           |
| 01-02-00014 | Hydrogen Generator for G.C                                                                 | 2                                |                                                           |
| 01-02-00015 | Nitrogen and air generator                                                                 | 2                                |                                                           |
| 01-02-00016 | Karl fisher apparatus                                                                      | 2                                |                                                           |
| 01-02-00017 | PH-meter                                                                                   | 10                               |                                                           |
| 01-02-00018 | Milk Tester                                                                                | 1                                |                                                           |
| 01-02-00019 | Scan Milko Tester                                                                          | 1                                |                                                           |
| 01-02-00020 | Balance Analytical (Mechanical)                                                            | 4                                |                                                           |
| 01-02-00021 | Balance Analytical (electronic)                                                            | 4                                |                                                           |
| 01-02-00022 | Gerber Centrifuge                                                                          | 3                                |                                                           |
| 01-02-00023 | Centrifuge                                                                                 | 4                                |                                                           |

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| 01-02-00024 | Ovens                                                               | 4           | Standardization and Quality Control laboratories- Baghdad |
| 01-02-00025 | Muffle Furnace                                                      | 10          |                                                           |
| 01-02-00026 | Shaker                                                              | 2           |                                                           |
| 01-02-00027 | Sieving machine                                                     | 2           |                                                           |
| 01-02-00028 | Ion chromatography                                                  | 2           |                                                           |
| 01-02-00029 | Soxhlet system                                                      | 3           |                                                           |
| 01-02-00030 | Kjeldahl-Distillation apparatus                                     | 4           |                                                           |
| 01-02-00031 | Kjeldahl-Digestion apparatus                                        | 4           |                                                           |
| 01-02-00032 | Circulating cooling system                                          | 4           |                                                           |
| 01-02-00033 | Saccharimeter                                                       | 3           |                                                           |
| 01-02-00034 | Polarimeter                                                         | 4           |                                                           |
| 01-02-00035 | Abbe-Refractometer                                                  | 3           |                                                           |
| 01-02-00036 | Spectro Photometer                                                  | 2           |                                                           |
| 01-02-00037 | Vidas or minvidas with his relevant Kit for food and water analysis | Quantity    |                                                           |
| 01-02-00038 | Autoclave                                                           | 5           |                                                           |
| 01-02-00039 | Stomacher Mixer                                                     | 4           |                                                           |
| 01-02-00040 | Colel incubator                                                     | 4           |                                                           |
| 01-02-00041 | Co2 Incubator                                                       | 4           |                                                           |
| 01-02-00042 | Rotary evaporator                                                   | 3           |                                                           |
| 01-02-00043 | Digital melting point system                                        | 4           |                                                           |
| 01-02-00044 | Electrical Mixer                                                    | 4           |                                                           |
| 01-02-00045 | Moisture analyzer with Printer                                      | 4           |                                                           |
| 01-02-00046 | VPS un interpretable Power supply                                   | 4           |                                                           |
| 01-02-00047 | Computer system                                                     | 2           |                                                           |
| 01-02-00048 | Texilable Kit for water and Pollutant examination                   | Quantity    |                                                           |

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| 01-02-00049 | API Strips for Bacterial identification                                                                                                                                               | Quantity             | Standardization and Quality Control laboratories- Baghdad |
| 01-02-00050 | Anaerobic Kit for Co2 (Co2 Generator)                                                                                                                                                 | Quantity             |                                                           |
| 01-02-00051 | Blender and Grinder                                                                                                                                                                   | 4                    |                                                           |
| 01-02-00052 | Toxic Lab Kit for Toxins                                                                                                                                                              | Quantity             |                                                           |
| 01-02-00053 | Fume Hood                                                                                                                                                                             | 10                   |                                                           |
| 01-02-00054 | Sand Bath                                                                                                                                                                             | 6                    |                                                           |
| 01-02-00055 | Burners                                                                                                                                                                               | 20                   |                                                           |
| 01-02-00056 | Water Bath                                                                                                                                                                            | 6                    |                                                           |
| 01-02-00057 | Cigarettes testing equipment's                                                                                                                                                        |                      |                                                           |
| 01-02-00058 | Different kind of lab glassware                                                                                                                                                       |                      |                                                           |
| 01-02-00059 | Lab. Chemicals                                                                                                                                                                        |                      |                                                           |
| 01-02-00060 | Tire testing machines<br>1- High speed tire testing for Truck/Bus/Lt Truck/Passenger four stations.<br>2- Plunger test machine.<br>3- Beads unseating machine.<br>4- Balance machine. | 1<br><br>1<br>1<br>1 |                                                           |
| 01-02-00061 | Mobil Calibration Lab (Van)                                                                                                                                                           | 1                    |                                                           |
| 01-02-00062 | Truck for Weight bridges Calibration with Crane                                                                                                                                       | 1                    |                                                           |
| 01-02-00063 | 10 Tons (20 Pieces of 500 Kg each) Standard Weights for the above Truck                                                                                                               |                      |                                                           |
| 01-02-00064 | Reference Stander Balance (One ton capacity with 10 gram division)                                                                                                                    | 1                    |                                                           |
| 01-02-00065 | Central Air Conditioning (Total Cap. 600 tons-3 units each 200 tons)                                                                                                                  | 1                    |                                                           |
| 01-02-00066 | Generator capacity 1 MW with spare parts                                                                                                                                              | 2                    |                                                           |
| 01-02-00067 | Air condition Split units (Capacity 2 tons)                                                                                                                                           | 20                   |                                                           |