**Chemical Testing Laboratory**

**Accreditation Status of the Chemical Laboratory**

* **Chemical Laboratory is accredited by SWEDAC and SLAB**

**SWEDAC** -- Swedish Board for Accreditation and Conformity Assessment in Sweden ***on 21st of August 2002 .*Scope of accreditation:** [http://search.swedac.se/omfattning/1793-01 Ackr omfattning 20091021.pdf](http://search.swedac.se/omfattning/1793-01%20Ackr%20omfattning%20091021.pdf)

**SLAB** -- Sri Lanka Accreditation Board of Sri Lanka ***on 20th of December 2007***.
**Scope of accreditation:** [http://www.slab.lk/Support/Scopes/SLS- Chemical.pdf](http://www.slab.lk/Support/Scopes/SLS-%20Chemical.pdf)

**Items Tested**

|  |  |  |
| --- | --- | --- |
| **No.** | **Product** | **Sri Lanka Standard** |
| 1 | **Straight Fertilizers** | Ammonium sulphate | SLS;620 |
| 2 |  | Ammonium chloride | SLS:621 |
| 3 |  | Ammonium phosphate | SLS:1131 |
| 4 |  | Rock phosphate | SLS:748 |
| 5 |  | TSP | SLS:812 |
| 6 |  | MOP | SLS:644 |
| 7 |  | Urea | SLS:618 |
| 8 |  | Kieserite | SLS:1104 |
| 9 |  | Potassium sulphate | SLS:1107 |
| 10 |  | Dolomite | SLS:823 |
| 11 |  | Epsom salt | SLS:1105 |
| 12 |  | Zinc sulphate | SLS:665 |
|  |  |  |  |
| 13 | **Fertilizer mixtures** | NPK & Mg | SLS:645 |
| 14 |  | NPK | SLS:645 |
| 15 |  | NP | SLS:645 |
| 16 |  | PK | SLS:645 |
| 17 |  | NP | SLS:645 |
| 18 |  | N | SLS:645 |
| 19 |  | P | SLS:645 |
| 20 |  | K | SLS:645 |
| 21 |  | Compost | SLS 1246 |
|  |  |  |  |
| 22 | **Water** | Raw / Potable water | SLS 614 Pt1:1983 |
| 23 |  | Bottled drinking | SLS 894: 2003 |
| 24 |  | Bottled natural mineral | SLS 1038: 2003 |
| 25 |  | Water for lead acid batteries | SLS 671: 1984 |
|  |  |  |  |
| 26 | **Cement** | Building lime | SLS:552 |
| 27 |  | Cement, blended | SLS:1247 |
| 28 |  | Cement, limestone | SLS:1253 |
| 29 |  | Cement, ordinary Portland | SLS:107 |
| 30 |  | Cement, Portland Pozzolanic | SLS:1247 |
|  |  |  |  |
| 31 | **Cosmetics** | Skin cream & Lotion | SLS:743 |
| 32 |  | Skin cream & Lotion for babies | SLS:742 |
| 33 |  | Skin powder | SLS:389 |
| 34 |  | Skin powder for infants | SLS:187 |
| 35 |  | Toothpaste | SLS:275 |
| 36 |  | Toothpowder | SLS:281 |
| 37 |  | Shampoo | SLS:738 |
| 38 |  | Shaving cream | SLS:796 |
| 39 |  | After shave lotion | SLS:1031 |
| 40 |  | Baby oil | SLS:1191 |
| 41 |  | Hair cream | SLS:611 |
| 42 |  | Cologne, baby | SLS:589 |
|  |  |  |  |
| 43 | **Soap** | Soap powder | SLS 38: 1982 |
| 44 |  | Soap, baby | SLS 547: 1981 |
| 45 |  | Soap, carbolic | SLS 35: 1982 |
| 46 |  | Soap, laundry | SLS 554: 1982 |
| 47 |  | Soap, liquid | SLS 250: 1995 |
| 48 |  | Soap, liquid toilet | SLS 1142: 1996 |
| 49 |  | Soap, soft | SLS 37: 1982 |
| 50 |  | Soap, toilet | SLS 34: 1981 |
| 51 |  | Soap,bathing bars | SLS 1220: 2001 |
|  |  |  |  |
| 52 | **Detergent** | Detergent powder | SLS:760 |
| 53 |  | Detergent, liquid | SLS:687 |
|  |  |  |  |
| 54 | **Steel** | Si, S, Mn, P | SLS :stds |
|  |  |  |  |
| 55 | **Porcelain tableware** |  | SLS1222 |
|  |  |  |  |
| 56 | **Other** | Charcoal (Coconut Cell) | SLS:571 |
| 57 |  | Coir sheet | SLS:810 |
| 58 |  | Mosquito coil | SLS:453 |
| 59 |  | Salt, iodized | SLS:79 |
| 60 |  | Salt, table | SLS:80 |
| 61 |  | School chalk | SLS:114 |
| 62 |  | Scouring powder | SLS:461 |
| 63 |  | Sealing wax | SLS:182 |
| 64 |  | Shoe polish | SLS:126 |

**Trace Analysis of Food Items**

|  |  |  |
| --- | --- | --- |
|  | **Product** | **Tests** |
| 01 | Arrack | Fe ,Cu, Pb, Zn |
| 02 | Artificial Vinegar | As, Cu, Pb, Zn, Fe |
| 03 | Beer | As, Cu, Pb,Sn |
| 04 | Biscuits | As, Pb,Cu |
| 05 | Brown Sugar | Ss, Cu,Pb |
| 06 | Canned fish | As,Pb Zn, Sn, Hg |
| 07 | Canned Fish curry | As Hg, Pb,Zn.Sn |
| 08 | Carbonated beverages | As , Cu , Pb |
| 09 | Chilly Sauce | As, Pb, Cu,Zn, Sn ,Pb |
| 10 | Chocolate | As, Pb,Cu,Zn,Cd |
| 11 | Cocoa Powder & Cocoa mixture | As , Cu , Pb |
| 12 | Comminuted meat products | As , Cu , Pb |
| 13 | Condensed Milk | As Pb, Zn, Sn, Cd, Cu |
| 14 | Curry powder | As , Cu , Pb |
| 15 | Fruit Cordial | As,Cu,Pb,Sn |
| 16 | Fruit cordial concentrates | Cu,Pb,Sn |
| 17 | Fruit Juice | As,Pb,Cu,Zn,Sn,Cd |
| 18 | Fruit Squashes | As,Cu, Pb,Sn |
| 19 | Fruit Squashes Concentrates | As Cu, Pb,Sn |
| 20 | Fruit syrup | As ,Cu,Pb,Sn |
| 21 | Fruit Syrup Concentrates | As,Cu,Pb,Sn |
| 22 | Gelatin | As,Cu,Pb,Sn |
| 23 | Glucose | As,Pb |
| 24 | Ham | As,Cu,Pb |
| 25 | Hard boiled sugar /confectioneries/ **Toffees** | As, Cu, Pb,Zn |
| 26 | Jam ,Jellies | As, Cu, Pb,Zn,Cd,Sn |
| 27 | lozenges | As, Cu, Pb,Zn |
| 28 | Mango chutney | As,Cu,Pb,Zn,Sn |
| 29 | Mango Juice | As,Cu,Pb,Zn,Sn |
| 30 | Mango nectar | As,Cu,Pb,Sn |
| 31 | Margarine | Fe, Cu, Pb, As, Cd |
| 32 | Meat Sausages | As, Cu, Pb |
| 33 | Paints | As, Ba, Cd, Cr,Pb,Hg,Co,Sn |
| 34 | Pectin Based Products | As, Cu, Pb,Zn |
| 35 | Pickles | Pb,Pb |
| 36 | Porcelain ware | Pb, Cd |
| 37 | Quick Frozen, Whole fish, Fish fillets, steaks and minced | As, Hg, Pb |
| 38 | Ready to serve Drink | As,Cu,Pb,Sn |
| 39 | Soft Drink Powder Mixes | As,Cu,Pb,Zn,Sn,Cd |
| 40 | Synthetic Artificial Cordial | As, Cu,Pb,Sn |
| 41 | Tomato Concentration | Sn |
| 42 | Tomato juice | As, Cu,PbAs, Cu, Pb, Sn **for Cans** |
| 43 | Tomato Sauce | As Cu, Pb |
| 44 | Treacle | As Cu Pb |
| 45 | Turmeric Powder | As, Cu, Pb |
| 46 | White Sugar | As Cu Pb |
| 47 | Jiggery | As, Pb,Cu |
| 48 | Food Container | Pb |
| 49 | Food Container | Al, Cu,Fe,Mn,Zn,Pb |