

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **1 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 1

I. FOOD & AGRICULTURAL PRODUCTS

1. Tea Black	Moisture		ISO 1573:1980	4 – 10 %
	Water Extract (On dry basis)		ISO 9768:1994	32 – 45 %
	Total Ash (On dry basis)		ISO 1575:1987	4 – 8 %
	Water soluble ash percentage of total ash (On dry basis)		ISO 1576:1988	55 – 65 %
	Water soluble Ash (On dry basis)		ISO 1576:1988	2 – 4 %
	Alkalinity of water soluble ash as KOH or as K ₂ O (On dry basis)		ISO 1578:1975	1 – 3 %
	Water insoluble ash (On dry basis)		ISO 1576: 1988	2 – 4 %
	Acid insoluble Ash (On dry basis)		ISO 1577:1987	0.1 – 1 %
	Crude Fiber (On dry basis)		ISO 15598:1999	8 – 16 %

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **2 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
		Caffeine	ISO 10727:2002	2 – 4 %
		Total Polyphenol	ISO 14502-1:2005	11 – 30 %
		Copper	LCHE/TM/SOP/009	LOQ=0.02 mg/kg
		Lead	(Based on AOAC 999.10: 2012)	LOQ=0.04 mg/kg
		Cadmium		LOQ= 0.01 mg/kg
		Iron		LOQ=0.02 mg/kg
		Zinc		LOQ=0.03 mg/kg
		Nickel		LOQ=0.01 mg/kg
2.	Spices (Black & White Pepper, Cloves, Nutmeg, Mace, Cardamom etc.)	Moisture content	ASTA Method 2.0: 2011	5 – 18 %
		Volatile oil content	ASTA Method 5.0: 2010	1 - 20 ml/100g
		Total Ash	ISO 928:1997 (SLS 186-3: 2008)	1 – 9 %
		Acid Insoluble Ash	ISO 930:1997 (SLS 186-4: 2008)	0.1 - 1%
		Crude fiber	ASTA Method 7.0: 1997	1 – 40 %
3.	Cinnamon	Moisture content	ASTA Method 2.0: 2011	5 – 18 %
		Volatile oil content	ASTA Method 16.0: 2010	0 – 5 ml/100g

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **3 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
		Total Ash	ISO 928:1997 (SLS 186-3: 2008)	1 - 9 %
		Acid Insoluble Ash	ISO 930:1997 (SLS 186-4: 2008)	0.1 – 1 %
		Crude fiber	ASTA Method 7.0: 1997	1 – 40 %
		Sulphur dioxide	AOAC 990:28: 2012	10 - 500 mg/kg
4.	Turmeric Powder	Moisture content	ISO: 939: 1980	1 – 9 %
		Total Ash	ISO 928: 1997 (SLS 186-3: 2008)	1 – 9 %
		Acid Insoluble Ash	ISO 930: 1997 (SLS 186-4: 2008)	0.1 – 1 %
5.	Black & White Pepper	Piperine content	ASTA Method 12.1: 1997	5 – 12 %
6.	Desiccated Coconut	Moisture content	SLS 98:Appendix C: 1988	1 – 3.5 %
		Oil content	SLS 98: Appendix D: 1988	30 – 70 %
		Acidity, as lauric acid	SLS 98: Appendix E: 1988	0.05 – 1 %

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	4 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
7.	Cordial, Fruit Juice & concentrates	Sulphur dioxide	SLS 214:Appendix D: 2010 & AOAC 96216:2012	10 – 70 mg/kg
8.	Fruit Juice & concentrates	Titratable acidity	SLS 214: Appendix C: 2010	0.1 – 2 mg/kg
9.	Tea & Spices	Aflatoxin B1 Aflatoxin G1 Aflatoxin B2 Aflatoxin G2	SLS 962:1992 (HPLC Method)	LOD=1 µg/kg
10.	Fish & Fishery Products (Maldive Fish, Dry Fish)	Histamine content	AOAC 977.13: 2012	0.1 – 100 mg/kg
11.	Shrimps/Prawns	Sodium metabisulphite, as SO ₂	AOAC 990.28: 2012	10 - 2000 mg/kg
12.	Fish, Prawns, Chicken, Sausages, Meat balls, Fish balls, Canned Fish, Dried Fish, Maldive Fish, Crabs, Cuttlefish	Mercury Cadmium Lead	LCHE/TM/SOP/007 (Based on AOAC 977.15: 2012 & AOAC 974.14: 2012) LCHE/TM/SOP/011 (Based on AOAC 999.10: 2012)	LOQ=1 µg/kg LOQ=0.01 mg/kg LOQ=0.04 mg/kg

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **5 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
13.	Cereals / Corn flakes / Full Cream milk powder / Skimmed Milk Powder	Lead	LCHE/TM/SOP/012	LOQ = 0.04 mg/kg
		Cadmium		LOQ = 0.01 mg/kg
		Mercury		LOQ = 0.01 mg/kg
		Aluminum		LOQ = 0.02 mg/kg
		Arsenic		LOQ = 0.02 mg/kg
		Copper	LCHE/TM/SOP/008	LOQ=0.01 mg/kg
		Manganese		LOQ=0.03 mg/kg
		Magnesium		LOQ=0.05 mg/kg
		Zinc		LOQ=0.03 mg/kg
		Calcium		LOQ=0.05 mg/kg
14.	Skimmed Milk Powder	Moisture content	SLS 735-3:1987	0.01 – 5.0 %
		Milk fat content	SLS 735-1:Section 2: Annex B: 2009	0.01 –5.00 %
		Reichert-Meissl value of the extracted milk fat.	SLS 313-2:Section 5: 2009	20 - 50
		Polenske value of the extract milk fat		1.0 – 3.0
		Milk protein in milk solids not-fat	SLS 731:Appendix E: 2008	30 – 50 %
		Titrate acidity, as lactic acid	SLS 735-2:1987	0.01 - 2.0 %

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	6 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
15.	Full Cream Milk Powder	Moisture content	SLS 735-3:1987	0.01 – 5.0 %
		Milk fat content	SLS 735-1:Section 2: Annex B: 2009	0.01 – 30 %
		Reichert-Meissl value of the extracted milk fat.	SLS 313-2:Section 5: 2009	14 - 34
		Polenske value of the extract milk fat		1.0 – 4.0
		Milk protein in milk solids not-fat	SLS 731:Appendix E: 2008	10.0 – 45.0 %
		Titratable acidity, as lactic acid	SLS 735-2: 1987	0.01 - 2.0 %
16.	Edible Fats and Oils (Coconut oil, Palm oil, Palm olein, Palm Sterain, Palm Kernel Oil, Sunflower seed Oil)	Lovibond colour: 133.4 mm (5 ¼ inch)	SLS 313-1:Section 4: 2009 (ISO 15305: 1998)	0.1 to 70 R, 0.1 to 70 Y, 0.1 to 40 B, 0.1 to 3.0 neutral (Lovibond units)
		Relative Density	SLS 313-1:Section 2: 2009	0.800 – 0.950 (t°C/t ₀ 0°C in air)
		Insoluble impurities content	SLS 313-3:Section 4: 2009 (ISO 663: 2007)	0.01 – 1.00 %
		Moisture and volatile matter content	SLS 313-3:Section 5: 2009 (ISO 662:1998)	0.01 – 1.00 %

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **7 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
		Free fatty acids / Acidity / Acid value	SLS 313-2:Section 6: 2009 (ISO 660: 2009)	0.01 – 6.00 %
		Iodine Value	SLS 313-2:Section 2: 2009 (ISO 3961: 2009)	5 – 160
		Saponification value	SLS 313-2:Section 1: 2009 (ISO 3657: 2002)	160 to 270
		Unsaponifiable matter content	SLS 313-4:Section 3: 2010 (ISO 3596: 2000)	0.50 – 3 %
		Peroxide value	SLS 313-3:Section 7: 2009 (ISO 3960: 2007)	0 – 10 meq/kg
		Slip melting point	SLS 313-1:Section 7: Annex A: 2009 (ISO 6321: 2002)	10 – 100.0 °C
17.	White sugar	Loss on drying	SLS 191:Appendix C:1989	0.01 – 5.0 %
		Colour	SLS 191:Appendix E:1989	10 – 500 ICUMSA units
18.	Milk powder	Melamine	US FDA LIB No. 4423: Volume 24: October 2008	0.01 - 100 mg/kg
19.	Soya Sauce	pH	SLS 1035: Appendix D: 1995	2 - 8
		Salt as Sodium Chloride	SLS 1035: Appendix E: 1995	1 - 20 %

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	8 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
20.	Wafers	Moisture	SLS 1313:2007 & SLS 251: Appendix B: 2010	0.5 - 10%
		Acid Insoluble Ash	SLS 251: Appendix C: 2010	0.05 – 0.5%
		Acidity	SLS 251: Appendix D: 2010	0.05 - 2.0%
21.	Dairy Fat Spread	Fat content	SLS 735-1: Section 8: 2011	10 - 80 %
		Salt content	SLS 735-11: 2011	0.5 – 3%
		Free Fatty acid as oleic acid	SLS 313-2: Section 6: 2009	0.05 - 1.0 %
22.	Sugar Confectionary (Chewing gum, Bubble gum, Toffee, Lozenges, Hard Boiled Sugar, Gelatin based products, Pectin based products)	Moisture	SLS 586: Clause 3:1982 SLS 586: 1982	0.1 - 25%
		Sulphated Ash	SLS 586: Clause 4:1982	0.01 - 11.5%
		Acid Insoluble Ash	SLS 586: Clause 5:1982	0.01 - 2.0%
		Reducing Sugar	SLS 586: Clause 6:1982	1 - 50%
		Sucrose	SLS 586: Clause 7:1982	1 - 100%
		Fat	SLS 586: Clause 8:1982	0.1 - 10.0%

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **9 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 1

23.	Edible Salt (Granular form)	Moisture	SLS 79: Appendix B: 1987 SLS 79:1987	0.1 - 10.0%
		Matter insoluble in water	SLS 79: Appendix D: 1987	0.01 - 2.0%
		pH	SLS 79: Appendix N: 1987	7.5 - 8.5
24.	Food Grade Salt (Powdered form)	Moisture	CS 80: Clause 7.1: 1970 CS 80: 1970	0.1 - 10.0%
		Matter insoluble in water	CS 80: Clause 7.2: 1970	0.01 – 2.0%
		Acid Insoluble Matter	CS 80: Clause 7.3: 1970	0.01 – 5.0%

II. WATER

1.	Water (Drinking water, Processing water, Potable water, Raw water)	pH	APHA 4500-H ⁺ B: 2012 (22 nd Edition)	1.0 – 14.0
		Conductivity	APHA 2510 B: 2012 (22 nd Edition)	0.6 – 2000 μS/cm
		Chloride, as Cl	APHA 4500-Cl ⁻ B: 2012 (22 nd Edition)	1 - 500 mg/L
		Hardness, as CaCO ₃	APHA 2340 C: 2012 (22 nd Edition)	2 - 1000 mg/L

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	10 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 1

	Nitrate, as N	APHA 4500-NO ₃ ⁻ B: 2012 (22 nd Edition)	0.1 – 50.0 mg/L
	Free Ammonia, as N	APHA 4500-NH ₃ D: 2012 (22 nd Edition)	0.04 – 0.65 mg/L
	Sulphate, as SO ₄ ²⁻	APHA 4500-SO ₄ ²⁻ E: 2012 (22 nd Edition)	1.4 – 500 mg/L
	Fluoride, as F	APHA 4500-F ⁻ C: 2012 (22 nd Edition)	0.10-5.00 mg/L
	Total Phosphorous, as P	APHA 4500-P D: 2012 (22 nd Edition)	0.07 – 100.0 mg/L
	Alkalinity, as CaCO ₃	APHA 2320 B: 2012 (22 nd Edition)	2–1000 mg/L
	Nitrite, as N	APHA 4500-NO ₂ ⁻ B: 2012 (22 nd Edition)	0.01 – 10.0 mg/L
	Dissolve Oxygen	ASTM D888-12 (Method C)	0.1 – 20.0 mg/L
	Ammonical nitrogen, as N	APHA 4500-NH ₃ C & D: 2012 (22 nd Edition)	5-200mg/L
	Residual chlorine, as Cl ₂	APHA 4500-Cl G: 2012 (22 nd Edition)	0.07 – 4.0 mg/L

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **11 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
		Free CO ₂	APHA 4500-CO ₂ B: 2012 (22 nd Edition)	0.1 – 2000 mg/L
		Oil & Grease	APHA 5520 B: 2012 (22 nd Edition)	1 – 100 mg/L
		Total solids/ Dry Residues	APHA 2540 B: 2012 (22 nd Edition)	3 – 2000 mg/L
		Chemical Oxygen Demand [COD]	APHA 5220 D: 2012 (22 nd Edition)	6 - 100 mg/L
		Total Suspended Solids	APHA 2540 D: 2012 (22 nd Edition)	2 – 500 mg/L
		Total Dissolved Solids	APHA 2540 C: 2012 (22 nd Edition)	3 – 2000 mg/L
		Iron, as Fe	APHA 3500-Fe B: 2012 (22 nd Edition)	0.1 – 50.0 mg/L
		Calcium, as Ca	APHA 3500-Ca B: 2012 (22 nd Edition)	4 - 1000 mg/L
			APHA 3120 B: 2012 (22 nd Edition)	0.05 - 200mg/L

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	12 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 1

Magnesium, as Mg	APHA 3500-Mg B: 2012 (22 nd Edition)	4 – 1000 mg/L
	APHA 3120 B: 2012 (22 nd Edition)	0.05 - 200 mg/L
Boron, as B	APHA 3120 B: 2012 (22 nd Edition)	0.01 – 50 mg/L
Cobalt, as Co		0.01 – 10 mg/L
Beryllium, as Be		0.01 - 5 mg/L
Antimony, as Sb		0.05 – 10 mg/L
Manganese, as Mn		0.01 – 10 mg/L
Zinc, as Zn		0.01 – 10 mg/L
Silver, as Ag		0.05 - 10 mg/L
Arsenic, as As		0.02 - 10 mg/L
Nickel, as Ni		0.01 – 10 mg/L
Barium, as Ba		0.05 - 10 mg/L
Potassium, as K		0.05 - 100 mg/L
Sodium, as Na		0.05 – 200mg/L
Lead, as Pb		0.04 – 5 mg/L
Copper, as Cu		0.01 - 100 mg/L
Aluminium, as Al		0.01 – 10 mg/L
Vanadium, as V		0.01 – 5 mg/L
Cadmium, as Cd		0.05 - 5mg/L
Chromium, as Cr		0.01 - 10 mg/L
Selenium, as Se		0.01 - 10 mg/L
Iron, as Fe		0.05 - 5mg/L
Mercury, as Hg	LCHE/TM/SOP/040	1 - 50 µg/L

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **13 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
		Tin, as Sn	APHA 3113 B: 2012 (22 nd Edition)	0.05 - 5.0 mg/L
2.	Waste Water	pH	APHA 4500-H ⁺ B: 2012 (22 nd Edition)	1 - 14
		Chemical Oxygen Demand [COD]	APHA 5220 D: 2012 (22 nd Edition)	6 - 2000 mg/L
		Biochemical Oxygen Demand [BOD]	APHA 5210 B: 2012 (22 nd Edition)	5 - 230 mg/L
		Turbidity	APHA 2130 B: 2012 (22 nd Edition)	0.5 - 800 NTU
		Conductivity	APHA 2510 B: 2012 (22 nd Edition)	0.6 – 2000 μS/cm
		Oil & Grease	APHA 5520 B: 2012 (22 nd Edition)	1 – 100 mg/L
		Colour	ISO 7887:Method B: 2011	0.1 - 99.9
		Silicate	APHA 4500-SiO ₂ C: 2012 (22 nd Edition)	0.5 - 100 mg/L
		Total Phosphorous, as P	APHA 4500-P D: 2012 (22 nd Edition)	0.07 - 100 mg/L

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	14 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 1

Ammonical nitrogen, as N	APHA 4500-NH3 C & D: 2012 (22 nd Edition)	5 – 200 mg/L
Total Suspended Solids	APHA 2540 D: 2012 (22 nd Edition)	2 – 500 mg/L
Total Dissolved Solids	APHA 2540 C: 2012 (22 nd Edition)	3 – 2000 mg/L
Kjeldhal nitrogen, as N	APHA 4500–N _{org} C: 2012 (22 nd Edition)	5 – 200 mg/L
Lead, as Pb	APHA 3120 B: 2012 (22 nd Edition)	0.04 - 10 mg/L
Copper, as Cu		0.01 - 10 mg/L
Cadmium, as Cd		0.005 - 10 mg/L
Vanadium, as V		0.01 - 10 mg/L
Selenium, as Se		0.01 - 10 mg/L

III. BUILDING MATERIALS

1. Soil	Cadmium	EPA 3051A: 2007	0.05 – 100 mg/kg
	Chromium		2 - 100 mg/kg
	Copper		1 – 100 mg/kg
	Lead		2 – 100 mg/kg

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **15 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 1

Molybdenum				1 - 100 mg/kg
Nickel				2 – 100 mg/kg
Vanadium				2 - 100 mg/kg
Zinc				2 – 100 mg/kg
Boron				2 – 100 mg/kg
Cobalt				2 – 100 mg/kg
Iron				5 – 50000 mg/kg
Manganese				2 – 800 mg/kg
Selenium				2 - 100 mg/kg
Arsenic				2 - 100 mg/kg
Total Nitrogen			ISO 11261:1995	1 - 50 mg/g
pH at 20-25°C			ISO 10390:2005	1.5 - 14
Total phosphorus			ISO 11263:1994	2 - 100 mg/kg
Organic Carbon			ISO 14235:1998	0.5 – 200 g/kg

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	16 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
--------------	-----------------------------------	--------------------------------	--	---

Location 1

IV. SOAPS & DETERGENTS

1. Laundry soap powders, Flakes & chips	Total fatty matter	ISO 685:1975	0.1 – 90 %
	Free caustic alkali	ISO 456:1973	0.01 – 5 %
	Content of ethanol-insoluble matter	ISO 673:1981	0 – 4.0 %
	Chloride content, as NaCl	ISO 457:1983	0.1 – 3.0 %
	Moisture & volatile matter content	ISO 672:1978	0.1 – 7 %
	Unsaponified and unsaponifiable matter	ISO 1067:1974	0.1 – 4 %
	pH at 27±2°C	SLS 38:Appendix B: 2009	1.0 – 14.0
2. Baby soap	Total fatty matter	ISO 685:1975	0.1 – 90 %
	Freedom from rosin	SLS 547:Appendix B: 2009	Qualitative test
	Content of ethanol-insoluble matter	ISO 673:1981	0.1 – 4.0 %
	Free caustic alkali as NaOH	ISO 456:1973	0.1 – 30 %

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	17 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
--------------	-----------------------------------	--------------------------------	--	---

Location 1

		Total free alkali as NaOH	ISO 684:1974	0.01 – 5 %
		Chloride content, as NaCl	ISO 457:1983	0.01 – 2 %
3.	Liquid toilet soap	Total fatty matter	ISO 685:1975	0.01 – 20 %
		pH at 27±2°C	SLS 1142:Appendix B: 2009	1.0 – 14.0
		Content of ethanol-insoluble matter	ISO 673:1981	0.1 – 4 %
		Total free alkali as NaOH	ISO 684:1974	0.1 – 5 %
4.	Toilet soap	Total fatty matter	ISO 685:1975	0.5 – 90 %
		Rosin acids content	SLS 34:Appendix B: Method 2: 2009	0.5 – 5 %
		Content of ethanol-insoluble matter	ISO 673:1981	0.5 – 4 %
		Free caustic alkali as NaOH	ISO 456:1973	0.5 – 5 %
		Total free alkali as NaOH	ISO 684:1974	0.5 – 5 %
		Chloride content, as NaCl	ISO 457:1983	0.1 – 3 %

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	18 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 1</u>				
5.	Hair shampoo	Active synthetic anionic ingredient content	SLS 1342:Appendix B: 2008	0.1 – 20 %
		pH at 27± 2°C	SLS 1342:Appendix C: 2008	1.0 – 14.0
		Inorganic salts	SLS 1342:Appendix D: 2008	0.1 – 10 %
6.	Hair shampoo for babies	Active synthetic anionic ingredient content	SLS 1342:Appendix B: 2008	0.1 – 20 %
		pH at 27± 2°C	SLS 1342:Appendix C: 2008	1.0 – 14.0
		Inorganic salts	SLS 1342:Appendix D: 2008	0.1 – 10 %
V. COSMETICS & ESSENTIAL OILS				
1.	Skin creams and lotions	pH at 27±2°C	SLS 611:Appendix C.3: 1983	1.0 – 14.0
		Non-volatile matter at 105°C	SLS 743:Appendix B: 1986	0.1 – 60 %
		Water content	SLS 611:Appendix C.5: 1983	0.1 – 95 %
2.	Skin creams & lotions for babies	pH at 27±2°C	SLS 611:Appendix C.3: 1983	1.0 – 14.0
		Non-volatile matter at 105°C	SLS 742:Appendix B: 1986	0.1 – 60 %
		Water content	SLS 611:Appendix C.5: 1983	0.1 – 95 %

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	19 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
--------------	-----------------------------------	--------------------------------	--	---

Location 1

3.	After-shave lotion	Ethanol content	SLS 534:Appendix A: 1981	0.1 – 95 %
4.	Cologne	Ethanol content	SLS 534:Appendix A: 1981	0.1 – 95 %
5.	Baby cologne	Ethanol content	SLS 589:Appendix A: 1982	0.1 – 95 %
6.	Skin powder for infants	Matter insoluble in boiling water	SLS 187:Appendix C: 2013	0.1 – 99 %
		Fineness -Residue on 75-µm sieve, percent by mass, max. -Residue on 150-µm sieve, percent by mass, max.	SLS 187:Appendix D: 2013	0.01 - 3
		Moisture & volatile matter	SLS 187:Appendix E: 2013	0.1 – 2 %
		pH of aqueous suspension	SLS 187:Appendix F: 2013	1.0 – 14.0

Location 2

VI. TEXTILE & TEXTILE AUXILIARIES

1.	Textile	Colour fastness to Dry cleaning	ISO-105-DO1 : 2010	1 - 5 Grade
		Colour fastness to Dry cleaning	EN ISO 105-D01:2010	1 - 5 Grade
		Colour fastness to Dry cleaning	BS EN ISO-105-DO1 : 2010	1 - 5 Grade
		Colour fastness to Dry cleaning	DIN EN ISO-105-D01:2010	1 - 5 Grade

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **20 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

	Colour fastness to Dry cleaning	AATCC 132:2013	1 - 5 Grade
	Colour fastness to Perspiration	ISO-105-EO4 : 2013	1 - 5 Grade
	Colour fastness to Perspiration	BS EN ISO-105-EO4 : 2013	1 - 5 Grade
	Colour fastness to Perspiration	DIN EN ISO-105-EO4 : 2013	1 - 5 Grade
	Color fastness to Perspiration	GB/T 3922-1995	1 - 5 Grade
	Colour fastness to Perspiration	AATCC 15 : 2013	1 - 5 Grade
	Colour fastness to Rubbing	ISO 105-X12 : 2002	1 - 5 Grade
	Colour fastness to Rubbing	BS EN ISO X12 : 2002	1 - 5 Grade
	Colour fastness to Rubbing	DIN EN ISO X12 : 2002	1 - 5 Grade
	Colour fastness to Rubbing	GB/T 3920-2008	1 - 5 Grade
	Colorfastness to Crocking	AATCC 8 : 2013	1 - 5 Grade
	Colour fastness to Hot Pressing	ISO 105-X11 : 1996	1 - 5 Grade
	Colorfastness to Heat: Hot Pressing	BS EN ISO 105-X11 : 1996	1 - 5 Grade

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **21 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

	Colorfastness to Heat: Hot Pressing	AATCC 133:2013	1 - 5 Grade
	Colour fastness to domestic and commercial laundering	ISO-105-CO6 : 2010	1 - 5 Grade
	Colour fastness to domestic and commercial laundering	BS EN ISO 105 C06:2010	1 - 5 Grade
	Colour fastness to domestic and commercial laundering	ISO 105 C10:2007	1 - 5 Grade
	Colour fastness to domestic and commercial laundering	BS EN ISO-105-C10 : 2007	1 - 5 Grade
	Colour fastness to domestic and commercial laundering	DIN EN ISO-105-C06:2010	1 - 5 Grade
	Colorfastness to Laundering: Accelerated	AATCC 61:2013	1 - 5 Grade
	Colour fastness to domestic and commercial laundering using a non phosphate reference detergent incorporating a low temperature bleach activator	ISO 105 C08:2010	1 - 5 Grade

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **22 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

	Colour fastness to domestic and commercial laundering using a non phosphate reference detergent incorporating a low temperature bleach activator	BS EN ISO 105 C08:2010	1 - 5 Grade
	Colour fastness to domestic and commercial laundering using a non phosphate reference detergent incorporating a low temperature bleach activator	DIN EN ISO 105 C08:2010	1 - 5 Grade
	Determination of pH of aqueous extract	ISO-3071 : 2006	1 - 14
	pH of the Water-Extract from Wet Processed Textiles	AATCC 81:2012	1 - 14
	pH value	GB/T 7573-2009	1 - 14
	Determination of pH of aqueous extract	BS EN ISO 1413:1998	1 - 15
	Assessment of the potential to phenolic yellowing of materials	ISO 105:X18:2007	1 - 5 Grade
	Assessment of the potential to phenolic yellowing of materials	BS EN ISO 105 X18:2007	1- 5 Grade

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **23 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

	Colour fastness to sea water	BS EN ISO 105-E02 : 2013	1- 5 Grade
	Colour fastness to sea water	ISO 105 E02:2013	1- 5 Grade
	Colour fastness to sea water	DIN EN ISO 105 E02:2013	1- 5 Grade
	Colour fastness to sea water	AS 2001.4.E01	1- 5 Grade
	Colour fastness to sea water	AATCC 106:2013	1- 5 Grade
	Colour fastness to water	ISO-105-EO1 : 2013	1- 5 Grade
	Colour fastness to water	AATCC 107:2012	1- 5 Grade
	Colour fastness to water	BS EN ISO 105 E01:2013	1- 5 Grade
	Colour fastness to water	DIN EN ISO 105 E01:2013	1- 5 Grade
	Colour fastness to water	AS 2001.4.E01	1- 5 Grade
	Colour fastness to water	DIN EN ISO 105 E01:2010	1- 5 Grade
	Colour fastness to water	GB/T 5713-1997	1- 5 Grade
	Colorfastness to Powdered Non-Chlorine Bleach in Home Laundering	AATCC 172:2010	1- 5 Grade

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **24 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

	Colour fastness to non chlorine bleach	BS EN ISO 105 C09:2003	1- 5 Grade
	Colour fastness to non chlorine bleach	EN ISO 105 C09:2003	1- 5 Grade
	Colour fastness to non chlorine bleach	DIN EN ISO 105 C09:2003	1- 5 Grade
	Colour fastness to non chlorine bleach	ISO 105 C09:2003	
	Colour fastness to ozone	ISO 105 G03:1993	1- 5 Grade
	Colour fastness to light	AATCC 16:2012	1- 5 Grade
	Colour fastness to light	ISO 105-B02:2013	1- 5 Grade
	Colour fastness to light	BS EN ISO 105 BO2:2013	1- 5 Grade
	Colour fastness to light	EN ISO 105 BO2:2013	1- 5 Grade
	Colour fastness to light	DIN EN ISO 105 BO2:2013	1- 5 Grade
	Colour fastness to light of Textiles wetted with artificial perspiration	GB/T 14576.1-2009	1 to 5 Grade

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	25 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
--------------	-----------------------------------	--------------------------------	--	---

Location 2

Colour fastness to light of textile wetted with artificial perspiration	ISO 105-B07:2009 BS EN ISO 105-B07:2009	1- 5 Grade 1- 5 Grade
Colour fastness to burn gas fumes	ISO 105 G02 :1993/2009 BS EN ISO 105 G02 :1997	1- 5 Grade 1- 5 Grade
Formaldehyde release from fabric, determination of : sealed jar method	AATCC 112:2008	20-600 mg/kg
Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	BS EN ISO 14184-1:2011	20-600 mg/kg
Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	ISO 14184-1 :2011	20-600 mg/kg
Determination of formaldehyde - Released formaldehyde (vapour absorption method)	BS EN ISO 14184-2:2011	20-600 mg/kg
Determination of formaldehyde - Released formaldehyde (vapour absorption method)	ISO 14184-2: 2011	20-600 mg/kg
Test Methods for Resin Finished Textiles	JIS L 1041: 2011	20-600 mg/kg

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	26 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

		Determination of formaldehyde - Free and hydrolyzed formaldehyde (water extraction method)	DIN EN ISO 14184-1: 2011	20-600 mg/kg
		Determination of formaldehyde - Released formaldehyde (vapour absorption method)	BS EN ISO 14184-2:2011-12	20-600 mg/kg
		Determination of formaldehyde – (Free &Hydrolyzed formaledehyde)	GB/T 2912.1-2009	20-600 mg/kg
		Quantitative chemical analysis of fibre mixtures	ISO 1833-1 to 12:2010	3-100%
		(Cotton,Polyester,Nylon,Silk,Acrylic,Wool,Viscose,Acetate,Polypopelene,Spandex composition only)	BS 4407:1988/In accordance with regulation (EU) No.1007/2011 73/44/EEC and 96/73/EC amended by 2006/2/EC CGSB 4.2 NO.14-M88-CAN/CGSB	3-100%
		Fiber Analysis: Qualitative	AATCC 20:2013	Qualitative
2.	Sanitary towels	Absorbency	SLS 111:Appendix B: 2009	Qualitative test
		pH value	SLS 86: 2006	1.0 – 14.0
		Ash content	SLS 111:Appendix C: 2009	0.01 – 10 %

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	27 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
--------------	-----------------------------------	--------------------------------	--	---

Location 2

		Water soluble extract	SLS 111:Appendix D: 2009	0.01 – 2 %
		Moisture content	SLS 111:Appendix F: 2009	0.1 – 99 %
3.	Textile/ Textile paint / Print/ Yarns	4-Aminobiphenyl (CAS No. 92-67-1)	RSTS-SL-201-7 (Based on BS EN 14362-1: 2012) GB/T 17592: 2011	5 - 150 mg/kg
		Benzidine (CAS No. 92-87-5)		5 - 150 mg/kg
		4-Chloro-o-toluidine (CAS No. 95-69-2)		5 - 150 mg/kg
		2- naphthylamine (CAS No. 91-59-8)		5 - 150 mg/kg
		o-Aminoazotoluene (CAS No. 97-56-3)		5 - 150 mg/kg
		2- amino-4- nitrotoluene (CAS No. 99-55-8)		5 - 150 mg/kg
		4-Chloroaniline (CAS No. 106-47-8)		5 - 150 mg/kg
		2,4-Diaminoanisole (CAS No. 615-5-4)		5 - 150 mg/kg

Laboratory	SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	15.09.2014
Certificate Number	T-1135	Valid Until	14.09.2016
Last Amended on	22.10.2014	Page	28 of 32

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
--------------	-----------------------------------	--------------------------------	--	---

Location 2

	4,4'-diaminodiphenylmethane (CAS No. 101-77-9)		RSTS-SL-201-7 (Based on BS EN 14362-1: 2012) GB/T 17592: 2011	5 - 150 mg/kg
	3,3'- dichlorobenzidine (CAS No. 91-94-1)			5 - 150 mg/kg
	3,3'-dimethoxybenzidine (CAS No. 119-90-4)			5 - 150 mg/kg
	3,3'- dimethylbenzidine (CAS No. 119-93-7)			5 - 150 mg/kg
	4,4'- methylenedi-o-toluidine (CAS No. 838-88-0)			5 - 150 mg/kg
	6-Methoxy-m-toluidine (CAS No. 120-71-8)			5 - 150 mg/kg
	4,4'-Methylene-bis-(2-chloro-aniline)(CAS No. 101-14-4)			5 - 150 mg/kg
	4,4'-oxydianiline (CAS No. 101-80-4)			5 - 150 mg/kg
	4,4'-Thiodianiline (CAS No. 139-65-1)			5 - 150 mg/kg

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **29 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

	o-Toluidine (CAS No. 95-53-4)		RSTS-SL-201-7 (Based on BS EN 14362-1: 2012) GB/T 17592: 2011	5 - 150 mg/kg
	2,4-Toluylenediamine (CAS No. 95-80-7)			5 - 150 mg/kg
	2,4,5-trimethylaniline (CAS No. 137-17-7)			5 - 150 mg/kg
	2-methoxyaniline (CAS No. 90-04-0)			5 - 150 mg/kg
	4-Aminoazobenzene (CAS No. 60-09-3)			5 - 150 mg/kg
	2,4-dimethylaniline (CAS No. 87-62-7)			5 - 150 mg/kg
	2,6-dimethylaniline (CAS No. 95-68-1)			5 - 150 mg/kg
	4-aminobenzene (CAS No. 60-09-3)		RSTS-SL-201-9 (Based on BS EN 14362-3: 2012) GB/T 23344: 2009	5 - 150 mg/kg

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **30 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

4.	Child Care Items & Toys	Phthalate		
		Di-Butyl Phthalate (DBP) (%)	RSTS-HL-201-4 (CPSC-CH-C1001-09.3)	(0.30 to 10.00) mg/kg
		Di-2-Ethyl Hexyl Phthalate (DEHP)		(0.30 to 10.00) mg/kg
		Benzyl Butyl Phthalate (BBP)		0.30 to 10.00) mg/kg
		Di Iso Nonyl Phthalate (DINP)		1.00 to 10.00) mg/kg
		Di-N-Octyle Phthalate (DNOP)		0.30 to 10.00) mg/kg
		Di Iso Decyl Phthalate (DIDP) (DIDP)		1.00 to 10.00) mg/kg
		Di iso butyl phthalate (DIBP)		(0.30 to 10.00) mg/kg
		Di-n-hexyl phthalate (DnHP)		(0.30 to 10.00) mg/kg
		Di-undecyl- phthalate (DUDP)		(0.30 to 10.00) mg/kg
		Di-n-pentyl phthalate(DnPP)		(0.30 to 10.00) mg/kg
		Bis(2-methoxyethyl) phthalate (DMEP)		(0.30 to 10.00) mg/kg
		Di-isopentyl phthalate (DIPP),		(0.30 to 10.00) mg/kg
		n-pentyl-isopentyl phthalate(iPnPP)		(0.30 to 10.00) mg/kg
		Di-iso-heptyl phthalate (DIHP)		(0.30 to 10.00) mg/kg
Di-pentyl phthalate (DPP)		(0.30 to 10.00) mg/kg		
Di(heptyl, nonyl,undecyl) phthalate (DHNUP)		(0.30 to 10.00) mg/kg		

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **31 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

Location 2

	Di-Butyl Phthalate (DBP)		RSTS-SL-206-3(Based on EN 14372:2004 (E)	(1.00 to 30.00) mg/kg
	Di-2-Ethyl Hexyl Phthalate (DEHP)			(1.00 to 30.00) mg/kg
	Benzyl Butyl Phthalate (BBP)			(1.00 to 30.00) mg/kg
	Di Iso Nonyl Phthalate (DINP)			(8.00 to 120.00) mg/kg
	Di-N-Octyle Phthalate (DNOP)			(1.00 to 30.00) mg/kg
	Di Iso Decyl Phthalate (DIDP)			(8.00 to 120.00) mg/kg

5.	Toy Materials (Migration of certain elements)	Heavy Metals		
		Lead	RSTS-HL-103-2	5 - 500 mg/kg
		Cadmium	ASTM F963-11	6 - 200 mg/kg
		Chromium	EN 71-3: 2013	1 - 200 mg/kg
		Barium		6 - 500 mg/kg
		Antimony		6 - 200 mg/kg
		Arsenic		3- 200 mg/kg
		Mercury		10- 200 µg/kg
	Selenium		6- 200 mg/kg	

VII. METALS & ALLOYS

1.	Metal Objects (Jewelries)	Qualitative determination of free Nickel (Spot Test)	RSTS-HL-101-1 (Based on EN 1811: 2011 + AC: 2012)	≥ 0.5 ppm
		Determination of Nickel Release	RSTS-HL-101-5 (Based on BS EN 12472:2005 + A1:2009) &RSTS-HL-101-6 (Based on CR 12471)	0.01 - 1 µg/cm ² /week

Laboratory **SGS Lanka Private Limited, 141/7,141/6, Vauxhall Street Colombo 2, Sri Lanka**
 Location 1: 141/7, Vauxhall Street, Colombo-2, Sri Lanka
 Location 2: 141/6, Vauxhall Street, Colombo-2, Sri Lanka

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **15.09.2014**

Certificate Number **T-1135** **Valid Until** **14.09.2016**

Last Amended on **22.10.2014** **Page** **32 of 32**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<u>Location 2</u>				
2.	Metal objects (Children's products)	Total lead	CPSC-CH-E1001-08.3, ASTM E1645-01	5 – 600 mg/kg
3.	Non-Metal objects (Children's products)	Total lead	CPSC-CH-E1002-08.3, ASTM E1645-01	5 – 600 mg/kg
VIII.	Leather	Determination of Chromium(VI)	RSTS-SL-104-1 (Based on ISO 17075: 2007)	0.2 – 10 mg/kg
IX.	PAINTS AND SURFACE COATING			
1.	Paint & other similar surface coatings	Lead	CPSC-CH-E1003-09.1, ASTM E1645-01, 16 CFR 1303	5 – 600 mg/kg
X.	PLASTIC, FABRIC & GLASS (Plastic Beads, Toys, Ceramics)	Total lead	RSTS-HL-102-2, ASTM E1645-01	5 – 600 mg/kg

-X-X-X-X-X-X-X-X-X-X-X-X-