Laboratory	**Archroma Product Stewardship Laboratory, 11th Floor, D Building, MBC Park, Ghodbunder Road, Kasarvadavali, Thane, Maharashtra**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Chemical Testing**	**Issue Date**	**14.10.2015**
Certificate Number	**T-3631**	**Valid Until**	**13.10.2017**
Last Amended on	**09.11.2015**	**Page**	**1 of 13**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	**TEXTILE AND TEXTILE AUXILIARIES**			
1.	**Textile and Related Products**	**Banned Aryl Amines**		
		Benzidine 4-Aminodiphenyl (Biphenyl-4yl-Aamine) 4-Chloro-O-Toluidine (4-Chloro-2-Methylaniline) 2-Naphthylamine O-Aminoazotoluene 2-Amino-4-Nitro-Toluene P-Chloroaniline 2,4-Diaminoanisole 4,4'-Diaminodiphenylmethane 3,3'-Dichlorobenzidine 3,3'-Dimethoxybenzidine (O-Dianisidine) 3,3'-Dimethylbenzidine (O-Tolidene) 3,3'-Dimethyl-4,4'diaminodiphenylmethane P-Cresidine(2-Methoxy-5-Methylaniline) 4,4'-Methylene-Bis(2-Chloroaniline) 4,4'-Oxydianiline 4,4'thiodianiline O-Toluidine (2-Aminotoluene) 2,4-Toluenediamine 2,4,5-Trimethylaniline 4-Aminoazobenzene O-Anisidine (2-Methoxyaniline)	EN 14362-1: 2003/ EN 14362-2: 2003 {§LMBG 82.02.2/3/4/9}	10 mg/kg to 500 mg/kg/ 5 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textile and Related Products	2,4-Xylidine 2,6-Xylidine	EN 14362-1: 2003/ EN 14362-2: 2003 {§LMBG 82.02.2/3/4/9}	10 mg/kg to 500 mg/kg/ 5 mg/kg
		Formaldehyde	ISO 14184-1: 1998& ISO 14184-2: 1998 / DIN 53315	15 mg/kg to 15000 mg/kg/ 10 mg/kg
		Chlorophenols		
		Pentachlorophenol 2,3,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol O-Phenyl Phenol	DINEN ISO 17070: 2007	0.05 mg/kg to 50mg/kg/ 0.05 mg/kg
		Polychloro Biphenyls (PCB)		
		2-Chlorobiphenyl 4-Chlorobiphenyl 2,6-Dichlorobiphenyl 2,4,6-Trichlorobiphenyl 3,3'-Dichlorobiphenyl 4,4'-Dichlorobiphenyl 2,4,5-Trichlorobiphenyl 2,2'6,6'-Tetrachlorobiphenyl 2,2'4,4'-Tetrachlorobiphenyl 2,2'4,6,6'-Pentachlorobiphenyl 3.4.4'-Trichlorobiphenyl 2,3',4,5',6 Pentachlorobiphenyl 2,2'4,4',6,6'-Hexachlorobiphenyl 2,2',3,3',6,6'- Hexachlorobiphenyl	APSL-SOP-R015 [PCB] Issue 1, Dated 01.04.2014	1.0 mg/kg to 50 mg/kg/ 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textile and Related Products	3,3',4,4'-Tetrachlorobiphenyl	APSL-SOP-R015 [PCB] Issue 1, Dated 01.04.2014	1.0 mg/kg to 50 mg/kg/ 1.0 mg/kg
		2,2',3,4',5,6,6'-Heptachlorobiphenyl		
		3,3',4,4,'5-Pentachlorobiphenyl		
		2,2',3,4,5,5',6-Heptachlorobiphenyl		
		2,2',3,3',4,4',5,5'-Octachlorobiphenyl		
		3,3',4,4',5,5'-Hexachlorobiphenyl		
		2,2;3,3',4,4',5,5',6-Nonachlorobiphenyl		
		2,2'3,3',5,5',6,6'-Octachlorobiphenyl		
		2,3,3',4,4',5,5'6-Octachlorobiphenyl		
		2,2,3,3',4,5,5',6,6'-Nonachlorobiphenyl		
		Decachlorobiphenyl		
		Polycyclic Aromatic Hydrocarbons (GC-MS Method)		
		Acenaphthene	APSL-SOP-R022 Issue 1, Dated 01.04.2014	(5 mg/kg to 50 mg/kg)/ 0.5 mg/kg
		Acenaphthylene		
		Anthracene		
		Benz[A]Anthracene		
		Benzo[A]Pyrene		
		Benzo[B]Fluoranthene		
		Benzo[G,H,I]Perylene		
		Benzo[K]Fluoranthene		
		Chrysene		
		Dibenz[A,H]Anthracene		

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textile and Related Products	Fluoranthene Fluorene Indeno[1,2,3-Cd]Pyrene Naphthalene Phenanthrene Pyrene	APSL-SOP-R022 Issue 1, Dated 01.04.2014	(5 mg/kg to 50 mg/kg)/ 0.5 mg/kg
		Chlorinated Organic Carriers (Coc)	APSL-SOP-R034 Issue 1, Dated 01.04.2014	(0.5 mg/kg to 600 mg/kg/ 0.5mg/kg
		Alkyl Phenol Ethoxylates by LC-MS	APSL-SOP-R017 Issue 1 Dated 01.04.2014	5 mg/kg to1000 mg/kg/ 5 mg/kg
2.	**Ink, Dyes & Pigments**	**Banned Aryl Amines**		
		Benzidine 4-Aminodiphenyl (Biphenyl-4yl-Aamine) 4-Chloro-O-Toluidine (4-Chloro-2-Methylaniline) 2-Naphthylamine O-Aminoazotoluene 2-Amino-4-Nitro-Toluene P-Chloroaniline 2,4-Diaminoanisole 4,4'-Diaminodiphenylmethane 3,3'-Dichlorobenzidine 3,3'-Dimethoxybenzidine (O-Dianisidine) 3,3'-Dimethylbenzidine (O-Tolidene)	APSL-SOP-R001 Issue 1, Dated 01.04.2014	10mg/kg to 500 mg/kg/ 5 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ink, Dyes & Pigments	3,3'-Dimethyl-4,4'diaminodiphenylmethane P-Cresidine(2-Methoxy-5-Methylaniline) 4,4'-Methylene-Bis(2-Chloroaniline) 4,4'-Oxydianiline 4,4'thiodianiline O-Toluidine (2-Aminotoluene) 2,4-Toluenediamine 2,4,5-Trimethylaniline 4-Aminoazobenzene O-Anisidine (2-Methoxyaniline) 2,4-Xylidine 2,6-Xylidine	APSL-SOP-R001 Issue 1, Dated 01.04.2014	10mg/kg to 500 mg/kg/ 5 mg/kg
		Formaldehyde	APSL-SOP-R002/004 Issue 1, Dated 01.04.2014	15 mg/kg to 15000 mg/kg/ 10 mg/kg
		Chlorophenols		
		Pentachlorophenol 2,3,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol O-Phenyl Phenol	APSL-SOP-R014 Issue 1, Dated 01.04.2014,	0.05 mg/kg to 50mg/kg/ 0.05 mg/kg
		Polychloro Biphenyls (PCB)		
		2-Chlorobiphenyl 4-Chlorobiphenyl 2,6-Dichlorobiphenyl	APSL-SOP-R015 [PCB] Issue 1, Dated 01.04.2014	1.0 mg/kg to 50 mg/kg/ 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ink, Dyes & Pigments	2,4,6-Trichlorobiphenyl 3,3'-Dichlorobiphenyl 4,4'-Dichlorobiphenyl 2,4,5-Trichlorobiphenyl 2,2'6,6'-Tetrachlorobiphenyl 2,2'4,4'-Tetrachlorobiphenyl 2,2'4,6,6'-Pentachlorobiphenyl 3.4.4'-Trichlorobiphenyl 2,3',4,5',6 Pentachlorobiphenyl 2,2'4,4',6,6'-Hexachlorobiphenyl 2,2',3,3',6,6'- Hexachlorobiphenyl 3,3',4,4'-Tetrachlorobiphenyl 2,2',3,4',5,6,6'-Heptachlorobiphenyl 3,3',4,4,'5-Pentachlorobiphenyl 2,2',3,4,5,5',6-Heptachlorobiphenyl 2,2',3,3',4,4',5,5'-Octachlorobiphenyl 3,3',4,4',5,5'-Hexachlorobiphenyl 2,2;3,3',4,4',5,5',6-Nonachlorobiphenyl 2,2'3,3',5,5',6,6'-Octachlorobiphenyl 2,3,3',4,4',5,5'6-Octachlorobiphenyl 2,2,3,3',4,5,5',6,6'-Nonachlorobiphenyl Decachlorobiphenyl	APSL-SOP-R015 [PCB] Issue 1, Dated 01.04.2014	1.0 mg/kg to 50 mg/kg/ 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ink, Dyes & Pigments	**Polycyclic Aromatic Hydrocarbons (GC-MS Method)**		
		Acenaphthene Acenaphthylene Anthracene Benz[A]Anthracene Benzo[A]Pyrene Benzo[B]Fluoranthene Benzo[G,H,I]Perylene Benzo[K]Fluoranthene Chrysene Dibenz[A,H]Anthracene Fluoranthene Fluorene Indeno[1,2,3-Cd]Pyrene Naphthalene Phenanthrene Pyrene	APSL-SOP-R022 Issue 1, Dated 01.04.2014	5 mg/kg to 50 mg/kg/ 0.5 mg/kg
		Chlorinated Organic Carriers (Coc)	APSL-SOP-R034 Issue 1, Dated 01.04.2014	(0.5 mg/kg to 600 mg/kg/ 0.5mg/kg
		Alkyl Phenol Ethoxylates by LC-MS	APSL-SOP-R017 Issue 1, Dated 01.04.2014	5 mg/kg to 1000 mg/kg/ 5 mg/kg
		Chemical Oxygen Demand (COD)	APSL-SOP-E001 Issue 1, Dated 01.04.2014	10 mg/g to 5000 mg/g
		Biochemical Oxygen Demand (BOD)	APSL-SOP-E002 Issue 1, Dated 01.04.2014	10 mg/g to 500 mg/g

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ink, Dyes & Pigments	Ready Biodegradability	APSL-SOP-E003 Issue 1, Dated 01.04.2014	5 % to 100 %
		Inherent Biodegradability	APSL-SOP-E004 Issue 1, Dated 01.04.2014	10 % to 100 %
		pH	APSL-SOP-P003 Issue 1, Dated 01.04.2014	1 to 14
		Melting Point	APSL-SOP-P008 Issue 1, Dated 01.04.2014	30° C to 250° C
		Flash Point by PMCC	APSL-SOP-P010 Issue 1, Dated 01.04.2014	30°C to 100º C
		Boiling Point	APSL-SOP-P009 Issue 1, Dated 01.04.2014	30°C to 250° C
		Combustibility Index	APSL-SOP-P012 Issue 1, Dated 01.04.2014	Qualitative (1 to 6)
		Flamable. Decomposition Gas	APSL-SOP-P014 Issue 1, Dated 01.04.2014	Qualitative
		Differential Thermal Analysis (Thermal Stability by Open Tube/ Autoclave Method)	APSL-SOP-P015 Issue 1, Dated 01.04.2014	(-)100 j/g to 300 j/g
		Impact Sensitivity	APSL-SOP-P016 Issue 1, Dated 01.04.2014	Qualitative
		Dust Explosion Test	APSL-SOP-P017 Issue 1, Dated 01.04.2014	Qualitative (0 to 2)

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Ink, Dyes & Pigments	Bulk Density	APSL-SOP-P005v Issue 1, Dated 01.04.2014	0.2 g/cc to 0.9 g/cc/ 0.01 g/cc
		Viscosity	APSL-SOP-P006 Issue 1, Dated 01.04.2014	20 mPas to 10000 mPas
		Density	APSL-SOP-P024/P004 Issue 1, Dated 01.04.2014	0.002 g/cc to 1.999 g/cc
		Auto Or Self Ignition	APSL-SOP-P019 Issue 1, Dated 01.04.2014	50 °C to 350 ° C
		8 Hour Lzt	APSL-SOP-P022 Issue 1, Dated 01.04.2014	50 ° C to 350°C
		Electrical Resistivity	APSL-SOP-P018 Issue 1, Dated 01.04.2014	10^{3} Ωm to 10^{12} Ωm
		Refractive Index	APSL-SOP-P011 Issue 1, Dated 01.04.2014	1.302 to 1.700/ 0.001
3.	**Industrial & Fine Chemicals (Raw Material, Intermediates & Finished Goods Not Otherwise Specified)**	Formaldehyde	APSL-SOP-R002/004 Issue 1, Dated 01.04.2014;	15 mg/kg to 15000 mg/kg/ 10 mg/kg
		Chlorophenols		
		Pentachlorophenol 2,3,4,5-Tetrachlorophenol 2,3,4,6-Tetrachlorophenol 2,3,5,6-Tetrachlorophenol O-Phenyl Phenol	APSL-SOP-R014 Issue 1, Dated 01.04.2014	0.05 mg/kg to 50mg/kg/ 0.05 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Industrial & Fine Chemicals (Raw Material, Intermediates & Finished Goods Not Otherwise Specified)	**Polychloro Biphenyls (PCB)** 2-Chlorobiphenyl 4-Chlorobiphenyl 2,6-Dichlorobiphenyl 2,4,6-Trichlorobiphenyl 3,3'-Dichlorobiphenyl 4,4'-Dichlorobiphenyl 2,4,5-Trichlorobiphenyl 2,2'6,6'-Tetrachlorobiphenyl 2,2'4,4'-Tetrachlorobiphenyl 2,2'4,6,6'-Pentachlorobiphenyl 3.4.4'-Trichlorobiphenyl 2,3',4,5',6 Pentachlorobiphenyl 2,2'4,4',6,6'-Hexachlorobiphenyl 2,2',3,3',6,6'- Hexachlorobiphenyl 3,3',4,4'-Tetrachlorobiphenyl 2,2',3,4',5,6,6'-Heptachlorobiphenyl 3,3',4,4,'5-Pentachlorobiphenyl 2,2',3,4,5,5',6-Heptachlorobiphenyl 2,2',3,3',4,4',5,5'-Octachlorobiphenyl 3,3',4,4',5,5'-Hexachlorobiphenyl 2,2;3,3',4,4',5,5',6-Nonachlorobiphenyl 2,2'3,3',5,5',6,6'-Octachlorobiphenyl 2,3,3',4,4',5,5'6-Octachlorobiphenyl	APSL-SOP-R015 [PCB] Issue1, Dated 01.04.2014	1.0 mg/kg to 50 mg/kg/ 1.0 mg/kg

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Industrial & Fine Chemicals (Raw Material, Intermediates & Finished Goods Not Otherwise Specified)	2,2,3,3',4,5,5',6,6'-Nonachlorobiphenyl Decachlorobiphenyl	APSL-SOP-R015 [PCB] Issue1, Dated 01.04.2014	1.0 mg/kg to 50 mg/kg/ 1.0 mg/kg
		Polycyclic Aromatic Hydrocarbons (GC-MS Method)		
		Acenaphthene Acenaphthylene Anthracene Benz[A]Anthracene Benzo[A]Pyrene Benzo[B]Fluoranthene Benzo[G,H,I]Perylene Benzo[K]Fluoranthene Chrysene Dibenz[A,H]Anthracene Fluoranthene Fluorene Indeno[1,2,3-Cd]Pyrene Naphthalene Phenanthrene Pyrene	APSL-SOP-R022 Issue 1, Dated 01.04.2014	5 mg/kg to 50 mg/kg/ 0.5 mg/kg
		Chlorinated Organic Carriers (Coc)	APSL-SOP-R034 Issue 1, Dated 01.04.2014	(0.5 mg/kg to 600 mg/kg/ 0.5mg/kg
		Alkyl Phenol Ethoxylates by LC-MS	APSL-SOP-R017 Issue 1, Dated 01.04.2014	5 mg/kg to 1000 mg/kg/ 5 mg/kg
		Chemical Oxygen Demand (Cod)	APSL-SOP-E001 Issue 1, Dated 01.04.2014	10 mg/g to 5000 mg/g

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Industrial & Fine Chemicals (Raw Material, Intermediates & Finished Goods Not Otherwise Specified)	Biochemical Oxygen Demand (BOD)	APSL-SOP-E002 Issue 1, Dated 01.04.2014	10 mg/g to 500 mg/g
		Ready Biodegradability	APSL-SOP-E003 Issue 1, Dated 01.04.2014	5 % to100 %
		Inherent Biodegradability	APSL-SOP-E004 Issue 1, Dated 01.04.2014	10 % to100 %
		pH	APSL-SOP-P003 Issue 1, Dated 01.04.2014	1to14
		Melting Point	APSL-SOP-P008 Issue 1, Dated 01.04.2014	30˚ C to 250˚C
		Flash Point by PMCC	APSL-SOP-P010 Issue 1, Dated 01.04.2014	30˚C-100˚ C
		Boiling Point	APSL-SOP-P009 Issue 1, Dated 01.04.2014	30˚ C to 250˚ C
		Combustibility Index	APSL-SOP-P012 Issue 1, Dated 01.04.2014	Qualitative (1 to 6)
		Flam. Decomp. Gas	APSL-SOP-P014 Issue 1, Dated 01.04.2014	Qualitative
		Differential Thermal Analysis (Thermal Stability by Open Tube/ Autoclave Method)	APSL-SOP-P015 Issue 1, Dated 01.04.2014	(-)100 j/g to 300 j/g
		Impact Sensitivity	APSL-SOP-P016 Issue 1, Dated 01.04.2014	Qualitative

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Industrial & Fine Chemicals (Raw Material, Intermediates & Finished Goods Not Otherwise Specified)	Dust Explosion Test	APSL-SOP-P017 Issue 1, Dated 01.04.2014	Qualitative (0 to 2)
		Bulk Density	APSL-SOP-P005 Issue 1, Dated 01.04.2014	0.2 g/cc to 0.9 gcc/ 0.01 g/cc^{-1}
		Viscosity	APSL-SOP-P006 Issue 1, Dated 01.04.2014	20 mPas to 10000 mPas
		Density	APSL-SOP-P024/P004 Issue 1, Dated 01.04.2014	0.002 g/cc to 1.999 g/cc
		Auto Or Self Ignition	APSL-SOP-P019 Issue 1, Dated 01.04.2014	50° C to 350° C
		8 Hour Lzt	APSL-SOP-P022 Issue 1, Dated.01.04.2014	50°C to 350° C
		Electrical Resistivity	APSL-SOP-P018 Issue 1, Dated.01.04.2014	10^{3} Ωm to 10^{12} Ωm
		Refractive Index	APSL-SOP-P011 Issue 1, Dated 01.04.2014	1.302 to 1.70 /0.001

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