

List of Chemicals and Petrochemicals testing at CIPET:SARP-APDDRL

Materials or Products tested	Component, parameter or characteristic tested	Test Standard/s
Safety of Toys	Benzyl butyl phthalate (BBP)	IS 9873 (Part 6): 2017, ISO 8124-6
	BIS (2-ethyl hexyl) phthalate (DEHP)	IS 9873 (Part 6): 2017, ISO 8124-6
	Di-iso-decyl phthalate (DIDP)	IS 9873 (Part 6): 2017, ISO 8124-6
	Di-iso-decyl phthalate (DIDP)	IS 9873 (Part 6): 2017, ISO 8124-6
	Di-n-butyl phthalate (DBP)	IS 9873 (Part 6): 2017, ISO 8124-6
	Di-n-Octyl phthalate (DNOP)	IS 9873 (Part 6): 2017, ISO 8124-6
Plastics / Polymeric compounds/Dye/ Colorant	Di-isohexyl phthalate	EN ISO 14389
	D-iisooctyl phthalate	EN ISO 14389
	Di-nonyl phthalate	EN ISO 14389
	Di-phenyl phthalate	BS EN ISO 14389, EN ISO 14389
	Bis-(2-methoxyethyl) phthalate	BS EN ISO 14389
	Di-isodecyl phthalate	EN ISO 14389
	Di-isoheptyl phthalate	BS EN ISO 14389
	Di-iso-pentyl phthalate	EN ISO 14389
	Di-n-octyl phthalate	BS EN ISO 14389
	Di-undecyl phthalate	EN ISO 14389
	n-pentyl iso pentyl phthalate	EN ISO 14389
	Di-butyl phthalate	BS EN ISO 14389
	Di-C7-11-(linear and branched)-alkyl phthalate(DHNUP)	EN ISO 14389
	Di-n-pentylphthalate	BS EN ISO 14389, EN ISO 14389
	BenzylButyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Bis-(2-methoxyethyl) phthalate	EN ISO 14389, ISO 14389
	Bis-2-ethylhexylphthalate	EN ISO 14389, BS EN ISO 14389, ISO 14389
	Di-(2-propylheptyl) phthalate	ISO 14389
	Di-benzyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-butyl phthalate	EN ISO 14389, ISO 14389
	Di-C7-11-(linear and branched)-alkyl phthalate (DHNUP)	ISO 14389
	Di-cyclohexyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
Plastics / Polymeric compounds/Dye/ Colorant	Di-ethyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389

	Di-heptyl phthalate	EN ISO 14389, ISO 14389
	Di-hexyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-isobutyl phthalate	EN ISO 14389, BS EN ISO 14389, ISO 14389
	Di-iso-decyl phthalate	BS EN ISO 14389, ISO 14389
	Di-iso-heptyl phthalate	EN ISO 14389, ISO 14389
	Di-iso-hexyl phthalate	BS EN ISO 14389, ISO 14389
	Di-isononyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-iso-octyl phthalate	BS EN ISO 14389, ISO 14389
	Di-iso-pentyl phthalate	BS EN ISO 14389, ISO 14389
	Dimethyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-n-hexyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-n-octyl phthalate	EN ISO 14389, ISO 14389
	Di-nonyl phthalate	ISO 14389, BS EN ISO 14389
	Di-n-pentyl phthalate	ISO 14389
	Di-phenyl phthalate	ISO 14389
	Di-propyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-undecyl phthalate	BS EN ISO 14389, ISO 14389
	n-pentyl iso pentyl phthalate	BS EN ISO 14389, ISO 14389
Textile & Textile products	Di-C7-11-(linear and branched)-alkyl phthalate (DHNUP)	BS EN ISO 14389
	Benzyl butyl phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Bis-(2-methoxyethyl) phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Bis-2-ethylhexyl phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Di-(2-propylheptyl) phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Di-benzyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
Textile & Textile products	Di-butyl phthalate	EN ISO 14389, BS EN ISO 14389, ISO 14389
	Di-C7-11-(linear and branched)-alkyl phthalate (DHNUP)	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Di-cyclohexyl phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Di-decyl phthalate	EN ISO 14389, ISO 14389, BS EN ISO 14389
	Diethyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389

	Di-heptyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-hexyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-iso-butyl phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Di-iso-decyl phthalate	EN ISO 14389, BS EN ISO 14389, ISO 14389
	Di-iso-heptyl phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Di-iso-hexyl phthalate	EN ISO 14389, BS EN ISO 14389, ISO 14389
	Di-iso-nonyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-iso-octyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-iso-pentyl phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Di-methyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-n-hexyl phthalate	ISO 14389, EN ISO 14389, BE EN ISO 14389
	Di-n-octyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-nonyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-n-pentyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-phenyl phthalate	EN ISO 14389, BS EN ISO 14389, ISO 14389
	Di-propyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	Di-undecyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
	n-pentyl iso pentyl phthalate	BS EN ISO 14389, EN ISO 14389, ISO 14389
Plastics / Polymeric compounds/Dye/ Colorant	Benzyl butyl phthalate	BS EN 14372
	Bis-2-ethylhexyl phthalate	BS EN 14372
	Di-(2-propylheptyl) phthalate	BS EN 14372
	Di-butyl phthalate	BS EN 14372
	Di-C7-11-(linear and branched)-alkyl phthalate (DHNUP)	BS EN 14372
	Di-decyl phthalate	BS EN 14372
	Di-ethyl phthalate	BS EN 14372
	Di-isobutylphthalate	BS EN 14372
	Di-iso-decyl phthalate	BS EN 14372
	Di-iso-nonyl phthalate	BS EN 14372
	Di-iso-pentyl phthalate	BS EN 14372
	Di-methyl phthalate	BS EN 14372

	Di-n-octyl phthalate	BS EN 14372
	Di-n-pentyl phthalate	BS EN 14372
	Di-phenyl phthalate	BS EN 14372
	n-pentyl iso pentyl phthalate	BS EN 14372
	1,2-benzenedicarboxylic acid, dipentyl ester, branched and linear (DPP)	BS EN 14372, EN 14372
	Benzyl butyl phthalate	EN 14372
	Bis-(2-methoxyethyl) phthalate	BS EN 14372, EN 14372
	Bis-2-ethylhexylphthalate	EN 14372
	Di-(2-propylheptyl) phthalate	EN 14372
	Di-benzyl phthalate	BS EN 14372, EN 14372
	Di-butyl phthalate	EN 14372
Plastics / Polymeric compounds/Dye/ Colorant	Di-C7-11-(linear and branched)-alkyl phthalate(DHNUP)	EN 14372
	Di-cyclohexyl phthalate	BS EN 14372, EN 14372
	Di-decyl phthalate	EN 14372
	Di-ethyl phthalate	EN 14372
	Di-heptyl phthalate	BS EN 14372, EN 14372
	Di-hexyl phthalate	BS EN 14372, EN 14372
	Di-iso-butyl phthalate	EN 14372
	Di-iso-decyl phthalate	EN 14372
	Di-iso-heptyl phthalate	BS EN 14372
	Di-iso-hexyl phthalate	BS EN 14372, EN 14372
	Di-iso-nonyl phthalate	EN 14372
	Di-iso-octyl phthalate	BS EN 14372, EN 14372
	Di-iso-pentyl phthalate	EN 14372
	Di-n-Hexyl phthalate	BS EN 14372, EN 14372
	Di-n-octyl phthalate	EN 14372
	Di-nonyl phthalate	BS EN 14372, EN 14372
	Di-n-pentyl phthalate	EN 14372
	Di-phenyl phthalate	EN 14372
	Di-propyl phthalate	BS EN 14372, EN 14372
	Di-undecyl phthalate	BS EN 14372
	Di-undecyl phthalate	EN 14372
	n-pentyl iso pentyl phthalate	EN 14372
Textile & Textile products	Benzyl butyl phthalate	EN 14372, BS EN 14372
	Bis-(2-methoxyethyl) phthalate	EN 14372, BS EN 14372
	Bis-2-ethylhexylphthalate	EN 14372, BS EN 14372
	Di-(2-propylheptyl) phthalate	EN 14372, BS EN 14372
Textile & Textile products	Dibenzyl phthalate	BS EN 14372, EN 14372
	Dibutyl phthalate	BS EN 14372, EN 14372
	Di-C7-11-(linear and branched)-alkyl phthalate (DHNUP)	EN 14372, BS EN 14372
	Di-cyclohexyl phthalate	EN 14372, BS EN 14372
	Di-decyl phthalate	BS EN 14372, EN 14372

	Di-ethyl phthalate	BS EN 14372, EN 14372
	Di-heptyl phthalate	BS EN 14372, EN 14372
	Di-hexyl phthalate	BS EN 14372, EN 14372
	Di-iso-butyl phthalate	EN 14372, BS EN 14372
	Di-iso-decyl phthalate	BS EN 14372, EN 14372
	Di-iso-heptyl phthalate	EN 14372, BS EN 14372
	Di-iso-hexyl phthalate	BS EN 14372, EN 14372
	Di-iso-nonyl phthalate	BS EN 14372, EN 14372
	Di-iso-octyl phthalate	BS EN 14372, EN 14372
	Di-iso-pentyl phthalate	EN 14372, BS EN 14372
	Di-methyl phthalate	BS EN 14372, EN 14372
	Di-n-Hexyl phthalate	EN 14372, BS EN 14372
	Di-n-octyl phthalate	EN 14372, BS EN 14372
	Di-nonyl phthalate	BS EN 14372, EN 14372
	Di-n-pentyl phthalate	BS EN 14372, EN 14372
	D-iso-phenyl phthalate	BS EN 14372, EN 14372
	Di-propyl phthalate	BS EN 14372, EN 14372
	Di-undecyl phthalate	BS EN 14372, EN 14372
	n-pentyl iso-pentyl phthalate	BS EN 14372
	n-pentyl iso pentyl phthalate	EN 14372
Ether	Aldehydes and acetone	IS 336
	Composition	
	Peroxides	
	Relative density	
Caustic Soda	Composition	IS 252
Acetic Acid	Solubility in water	IS 695
	Relative density	
	Colour Hazen	
	Acetic acid content	
	Crystallizing point	
	Residue	
	Chloride	
	Iron	
	Sulphate	
	Heavy metals	
	Formic acid	
	Acetaldehyde	
	Oxidizable impurities	
	Water content	
Acetone	Purity percent	IS 170
	Colour	
	Relative density	
	Water content	
	Residue	
	Acidity	
	Alkalinity	
	Permanganate test	

	Alcoholic impurities	
	Benzene content	
	Methanol conten	
Lactic Acid	Description	IS 9971
	Solubility	
	Test for Acid	
	Purity, percent by mass	
	Sulphated ash	
	Chlorides	
	Sulphates	
	Citric, Oxalic, Phosphoric and tartaric acids	
	Sugars	
	Readily Carbonizable substances	
	Volatile fatty acid	
	Cyanide	
	Methanol	
	Iron (as Fe)Heavy metals (as Pb)Arsenic (as As)	
	Heavy metals (as Pb)	
	Arsenic (as As)	
Pentaerythritol	Pentaerythritol (Monopenta) content	IS 7619 (1987)
	Dipenta Content inclusive of Polypenta	
	Loss on Drying	
	Ash Content	
	Melting Point	
	Hydroxyl Value	
	Colour of pentaerythritol	
	Colour of Monoglyceride with linseed oil	
	Sulphate	
	Chlorides	
	Solubility	
Resorcinol	Description	IS 10744 (1983)
	Crystallizing Point	
	Moisture, percent by mass	
	Purity, percent by mass	
	Sulphated ash, percent by mass	
	Free Phenol	
	Matter insoluble in water	
Butyl Acetate	Description	IS 230 (1972)
	Relative Density	
	Residue on Evaporation, percent by mass	

	Acidity (as acetic acid), percent by mass	
	Ester content as (butyl acetate)	
	Distillation range	
	Water content	
Phenol	Description	IS 538 (2000): Phenol (Carbolic Acid)
	Water content by distillation method	
	Solubility in water	
	Crystallizing Point	
	Moisture Content by mass	
	Residue on evaporation, by mass	
	Assay, percent by mass	
Iso Propyl Alcohol	Purity as C_3H_8O percent by mass	IS 11686 (1997)
	Relative Density	
	Colour (Platinum-Cobalt) scale	
	Distillation range	
	Acidity as (CH_3COOH)	
	Non Volatile Matter	
	Aldehydes and Ketones (as acetone)	
	Substances reducing permanganate	
	Heavy metals	
	Moisture	
Toluene	Toluene, percent y Mass	IS 537 (2011)
	Appearance	
	Relative density at 15.56/15.56°C	
	Colour, platinum-cobalt scale	
	Total sulphur	
	Distillation range at 760 mm pressure	
	Non-aromatic hydrocarbons, Max, percent by mass	
	Benzene content, mg/kg	
	Thiophene content	
	C 8 + Aromatics	
	Hydrogen sulphide (H ₂ S) and sulphur dioxide (SO ₂)	
	Water content	
Methanol	Description	IS 517 (1986)
	Miscibility with water	
	Relative density	

	Distillation range at 760 mm pressure	
	Residue on evaporation	
	Alkalinity (as NH ₃)	
	Aldehydes & Ketones as acetone (CH ₃ COCH ₃)	
	Sulphur and Compounds of Sulphur	
	Chlorine and Chlorine compounds	
	Water Content	
	Purity by Mass (Determination of Assay)	
Metal Accessories (Textile & Garments)	Total Cadmium (Cd) content	ASTM E1613
Metal Accessories (Textile & Garments)	Total Cadmium (Cd) content	ASTM E1645
Metal Accessories/ Plastics / Polymeric compounds/Glass & Ceramic	Cadmium (Cd) in surface coating	ASTM E1645
Plastic and Textiles with prints	Cadmium Content by wet decomposition	EN 1122
Plastic and Textiles with prints	Cadmium Content by wet decomposition	BS EN 1122
Plastics / Polymeric compounds/dye/ colorant/Glass & Ceramic	Total Cadmium (Cd) content	ASTM E1613
Plastics / Polymeric compounds/dye/ colorant/ Glass & Ceramic	Total Cadmium (Cd) content	ASTM E1645
Textile & Textile products	Cadmium (Cd) in surface coating	ASTM E1645
Textile & Textile products	Total Cadmium (Cd) content	ASTM 1645, ASTM E1613
Metal Accessories (Textile & Garments)	Total Lead (Pb) content	ASTM E1613, ASTM E1645
Metal Accessories/ Plastics / Polymeric compounds/Glass & Ceramic	Lead (Pb) in surface coating	ASTM E1613
Plastics / Polymeric compounds/dye/ colorant/Glass & Ceramic	Total Lead (Pb) content	ASTM E1613, ASTM E1645
Textile & Textile products	Lead (Pb) in surface coating	ASTM E1645
Textile & Textile products	Total Lead (Pb) content	ASTM E1613, ASTM E1645
Water and waste water	Chromium	IS 3025 (Part 52): 2003
Safety of Toys	Chromium (as Cr)	IS 9873 (Part 3) :2020, ISO 8124-3
Drinking Water	Total Chromium	IS 13428 Annex J, IS 3025 (Part 2)
Packaged Drinking water	Chromium	IS 13428 Annex J
Packaged Drinking water		IS 3025 (Part 2)
Packaged Natural Mineral Water		IS 13428 Annex J

Packaged Natural Mineral Water		IS 3025 (Part 2)
Drinking Water	Cadmium (as Cd)	IS 3025 (Part 41)
Packaged Drinking Water		IS 3025 (Part 41)
Drinking Water		IS 3025 (Part 2)
Package Drinking Water		IS 3025 (Part 2)
Safety of Toys		IS 9873 (Part 3) :2020, ISO 8124-3
Un-plasticized PVC pipes for potable water supplies	Cadmium	IS:12235 (part4, part 10,11)
Drinking Water		IS 3025 (Part 41)
Packaged Drinking Water		IS 3025 (Part 41)
Packaged Natural Mineral Water		IS 3025 (Part 41)
Metal Accessories (Textile & Garments)	Total Cadmium (Cd) content	ASTM E1613
Metal Accessories/ Plastics / Polymeric compounds/Glass & Ceramic	Cadmium (Cd) in surface coating	ASTM E1645
Plastic and Textiles with prints	Cadmium Content by wet decomposition	EN 1122, BS EN 1122
Plastics / Polymeric compounds/dye/ colorant/Glass & Ceramic	Total Cadmium (Cd) content	ASTM E1613, ASTM E1645
Textile & Textile products	Cadmium (Cd) in surface coating	ASTM E1645
Textile & Textile products	Total Cadmium (Cd) content	ASTM 1645, ASTM E1613
Metal Accessories (Textile & Garments)	Total Lead (Pb) content	ASTM E1613
Metal Accessories (Textile & Garments)	Total Lead (Pb) content	ASTM E1645
Metal Accessories/ Plastics / Polymeric compounds/Glass & Ceramic	Lead (Pb) in surface coating	ASTM E1613
Plastics / Polymeric compounds/dye/ colorant/Glass & Ceramic	Total Lead (Pb) content	ASTM E1613, ASTM E1645
Textile & Textile products	Lead (Pb) in surface coating	ASTM E1645
Textile & Textile products	Total Lead (Pb) content	ASTM E1613, ASTM E1645
Safety of Toys	Lead (as Pb)	IS 9873 (Part 3):2020, ISO 8124-3
Un-plasticized PVC pipes for potable water supplies	Lead	IS:12235 (part4, part 10, 11)
Drinking Water		IS 3025 (Part 2)
Drinking Water		IS 3025 (Part 47)
Packaged Drinking Water		IS 3025 (Part 2)
Packaged Drinking Water		IS 3025 (Part 47)
Packaged Natural Mineral Water		IS 3025 (Part 2)
Packaged Natural Mineral Water		IS 3025 (Part 47)

Paints, Enamels, Varnishes, Distemper & their allied Products	Lead Restriction	IS 101 (Part 8)
Safety of Toys	Mercury (as Hg)	IS 9873 (Part 3): 2020, ISO8124-3
Un-plasticized PVC pipes for potable water supplies	Mercury	IS:12235 (part4, part 10, 11)
Drinking Water		IS 3025 (Part 48)
Packaged Natural Mineral Water		IS 3025 (Part 48)
Boric Acid	Arsenic (as As)	IS 2088
Hydrochloric Acid		IS 2088
Sulphuric Acid		IS 2088
Drinking Water	Total Arsenic	IS 3025 (Part 2, 37)
Packaged Drinking Water	Arsenic	IS 3025 (Part 2, 37)
Packaged Natural Mineral Water		IS 3025 (Part 37)
Safety of Toys	Arsenic (as As)	IS 9873 (Part 3): 2020, ISO 8124-3
Packaged Drinking Water	Nickel	IS 13428 Annex L, IS 3025 (Part 2)
Packaged Natural Mineral Water	Nickel	IS 13428 Annex L, IS 3025 (Part 2)
Drinking Water	Nickel	IS 13428 Annex L, IS 3025 (Part 2)
Drinking Water	Nickel (as Ni)	IS 3025 (Part 54)
Packaged Drinking Water		IS 3025 (Part 54)