

(Format 3) Non-Containing Certification of Prohibited Substances (Groups)

To: Toshiba Hokuto Electronics Corporation

Non-Containing Certification of Prohibited Substances (Groups)

Date : \_\_\_\_\_

Company name : \_\_\_\_\_

Division : \_\_\_\_\_

Person in charge : \_\_\_\_\_

We certify that the following products, components or materials which we deliver to you directly/through the third party do not intentionally contain any of following prohibited chemical substances (groups) as set forth in "Toshiba Hokuto Electronics Corporation Green Procurement Guideline". In addition, for substances with threshold value, we certify it doesn't exceed its threshold including unintentional case.

In the event that the constituent components of the target products are changed, we shall priory inform you about the change and follow your instruction.

1. Subject procured items

Item	Manufacturer, Item No.	Remarks (Factory, etc)

2. Prohibited substances (groups)

NO.	Substances (groups)	Maximum permissible concentration
A01	Asbestos	Prohibition of intentional addition
A02	Certain azocolourants and azodyes (only those that may release certain amines)	Prohibition of intentional addition
A03	Cadmium/cadmium compounds	Prohibition of intentional addition , and 100 ppm (*1, *2) (Shall be stated in "Remark" above if exceed 75 ppm)
A04	Hexavalent chromium/hexavalent chromium compounds	Prohibition of intentional addition, and 1000 ppm (*1, *2)
A05	Lead/lead compounds	Prohibition of intentional addition, and 1000 ppm (*1, *2)
A06	Mercury/mercury compounds	Prohibition of intentional addition, and 1000 ppm (*1, *2)
A07	Ozone depleting substances (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Prohibition of intentional addition
A08	Polybrominated biphenyls (PBBs)	Prohibition of intentional addition, and 1000 ppm (*1)
A09	Polybrominated diphenylethers (PBDEs)	Prohibition of intentional addition, and 1000 ppm (*1)
A10	Polychlorinated byphenyls (PCBs)	Prohibition of intentional addition
A11	Polychlorinated naphthalenes (more than 3 chlorine atoms)	Prohibition of intentional addition
A12	Radioactive substances	Prohibition of intentional addition
A13	Certain shortchain chlorinated paraffins	Prohibition of intentional addition
A14	Tributyl tin (TBT) and triphenyl tin (TPT)	Prohibition of intentional addition
A15	Tributyl tin oxide (TBTO)	Prohibition of intentional addition
A16	4-Aminodiphenyl and its salt	Prohibition of intentional addition
A17	Aldrin	Prohibition of intentional addition
A18	Endrin	Prohibition of intentional addition
A19	Yellow phosphor (match)	Prohibition of intentional addition
A20	Chlordanes	Prohibition of intentional addition
A21	N,N' -ditolyl-p-phenylenediamine, N-tolyl-N' -xylyl-p-phenylenediamine or N,N' -dixylyl-p-phenylenediamine	Prohibition of intentional addition
A22	Dioxins	Prohibition of intentional addition
A23	DDT	Prohibition of intentional addition
A24	Dieldrin	Prohibition of intentional addition
A25	Toxaphene	Prohibition of intentional addition

NO.	Substances (groups)	Maximum permissible concentration
A26	2,4,6-tri-t-butylphenol	Prohibition of intentional addition
A27	Beta-naphthylamine and its salt	Prohibition of intentional addition
A28	4-nitrodiphenyl and its salt	Prohibition of intentional addition
A29	Bis(chloromethyl)ether	Prohibition of intentional addition
A30	Hexachlorobenzene	Prohibition of intentional addition
A31	Benzidine and its salt	Prohibition of intentional addition
A32	Benzene	Prohibition of intentional addition
A33	2-(2H-1,2,3-benzotriazolyl-2-yl)-4,6-di-tert-butylphenol	Prohibition of intentional addition
A34	Mirex	Prohibition of intentional addition
A35	2,2,2-trichloro-1,1-bis(4-chlorophenyl)ethanol (also known as Kelthane or Dicofof)	Prohibition of intentional addition
A36	Hexachlorobuta-1,3-diene (also known as Hexachlorobutadiene)	Prohibition of intentional addition
A37	Perfluoro(octane-1-sulfonic acid) (also known as PFOS) or its salt	Prohibition of intentional addition
A38	Perfluoro(octane-1-sulfonyl) fluoride (also known as PFOSF)	Prohibition of intentional addition
A39	Polychlorinated terphenyls (PCTs)	Prohibition of intentional addition
A40	Tri-substituted organostannic compounds (excluding A14 and A15)	Prohibition of intentional addition, and 1000 ppm (*3)
A41	Dimethyl fumarate (DMF)	Prohibition of intentional addition
A42	Pentachlorobenzene	Prohibition of intentional addition
A43	r-1,c-2,t-3,c-4,t-5,t-6-Hexachloro-cyclohexane (also known as $\alpha$ -Hexachlorocyclohexane)	Prohibition of intentional addition
A44	r-1,t-2,c-3,t-4,c-5,t-6-Hexachloro-cyclohexane (also known as $\beta$ -Hexachlorocyclohexane)	Prohibition of intentional addition
A45	r-1,c-2,t-3,c-4,c-5,t-6-Hexachloro-cyclohexane (also known as $\gamma$ -Hexachlorocyclohexane or Lindane)	Prohibition of intentional addition
A46	Decachloropentacyclo (5.3.0.0 <sup>2,6</sup> .0 <sup>3,9</sup> .0 <sup>4,8</sup> ) decane-5-one (also known as Clordecone)	Prohibition of intentional addition
A47	Diocetyl tin compounds (DOT)	Prohibition of intentional addition, and 1000 ppm (*3)
A48	Dibutyl tin compounds (DBT)	Prohibition of intentional addition, and 1000 ppm (*3)
A49	Formaldehyde (Target : *4)	Prohibition of intentional addition
A50	Polyvinyl chloride(PVC) and PVC blends (Target : *5)	Prohibition of intentional addition
A51	Beryllium oxide	Prohibition of intentional addition
A52	Fluorinated Greenhouse Gases (HFC,PFC,SF6) (Target : *6)	Prohibition of intentional addition
A53	Cobalt dichloride (Target : *7)	Prohibition of intentional addition
A54	6,9-Methano-2,4, 3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1, 5,5a,6,9,9a-hexahydro-, 3-oxide (also known as Benzoepin or Endosulfan)	Prohibition of intentional addition
A55	Hexabromocyclododecane (also known as HBCD)	Prohibition of intentional addition
A56	Benzo[a]anthracene (also known as BAA)	Only parts in contact with human bodies, and 1 ppm (*8)
A57	Chrysene (also known as CHY)	Only parts in contact with human bodies, and 1 ppm (*8)
A58	Benzo(b)fluoranthene (also known as BbF)	Only parts in contact with human bodies, and 1 ppm (*8)
A59	Benzo(k)fluoranthene (also known as BkF)	Only parts in contact with human bodies, and 1 ppm (*8)
A60	Benzo[j]fluoranthene (also known as BjF)	Only parts in contact with human bodies, and 1 ppm (*8)
A61	Benzo[a]pyrene (also known as BaP)	Only parts in contact with human bodies, and 1 ppm (*8)
A62	Benzo[e]pyrene (also known as BeP)	Only parts in contact with human bodies, and 1 ppm (*8)
A63	Dibenzo[a,h]anthracene (also known as DBA)	Only parts in contact with human bodies, and 1 ppm (*8)

NO.	Substances (groups)	Maximum permissible concentration
A64	Bis (2-ethylhexyl) phthalate (DEHP)	Prohibition of intentional addition, and 1000 ppm (*1)
A65	Dibutyl phthalate (DBP)	Prohibition of intentional addition, and 1000 ppm (*1)
A66	Butyl benzyl phthalate (BBP)	Prohibition of intentional addition, and 1000 ppm (*1)
A67	Diisobutyl phthalate (DIBP)	Prohibition of intentional addition, and 1000 ppm (*1)
A68	Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA	1) Parts : 1000ppm 2) Chemicals : 10ppm 3) Coated products : 1ug/m <sup>2</sup> (*9)
A69	PIP (3:1) (phenol, isopropylated phosphate)	Prohibition of intentional addition
A70	PCTP (pentachlorothiophenol)	Prohibition of intentional addition
A71	Perfluorocarboxylic acids containing C9 to C14 (C9-C14 PFCAs), their salts and C9-C14 PFCAs-related substances	1. C9-C14 PFCAs and their salts Prohibition of 0.000025 wt% (25 ppb) of C9-C14 PFCAs including their salts in an article or a mixture 2. C9-C14 PFCAs-related substances 0.000026 wt% (260 ppb) of one or a combination of C9-C14 PFCAs related substances, in an article or a mixture
A72	Perfluorohexanesulfonic acid (PFHxS), its salt and PFHxS-related substances	1. PFHxS and its salts Prohibition of intentional addition or 000025wt% (25ppb) of PFHxS including its salts in an article or a mixture 2. PFHxS-related compounds 0.0001wt% (1 ppm) of one or a combination of PFHxS-related compounds, in an article or a mixture
A73	Dechlorane Plus	Prohibition of intentional addition
A74	UV-328	Prohibition of intentional addition
A75	Methoxychlor	Prohibition of intentional addition
A76	Specific 3 Organic phosphorus flame retardants • TCEP • TCPP • TDCPP	Prohibition of intentional addition, and 1000 ppm
A77	Pentachlorophenol (PCP) and its salt and ester	Prohibition of intentional addition
A78	Specific 5 Substances of Phthalic acid esters • DINP CAS No.28553-12-0 / 68515-48-0 • DIDP CAS No.26761-40-0 / 68515-49-1 • DNOP CAS No.117-84-0 • DNHP CAS No.84-75-3 • DMEP CAS No.117-82-8	Prohibition of intentional addition, and 1000 ppm
A79	Red Phosphorus	Prohibition of intentional addition

“Intentional addition” means using chemical substances intentionally in forming supply items to bring about specific properties, appearance or quality.

(\*1) The threshold of concentration to be prohibited means no intentional addition and the rate of content of each material/substance as an impurity. The denominator when calculating a threshold value shall be for each homogeneous material. Only applications exempt from the EU RoHS Directive shall be exempt from the prohibition.

(\*2) For packaging materials, the threshold of concentration to be prohibited shall be 100 ppm by weight for a total of four materials (cadmium and its compounds, hexavalent chromium compounds, lead and its compounds, and mercury and its compounds) for each homogeneous material composing the package.

(\*3) The threshold of concentration to be prohibited means no intentional addition and the rate of content of each material/substance as an impurity. The numerator when calculating a threshold value shall be an equivalent for metal tin (Sn), and the denominator shall be for each molded item or its component (including mixtures only for DBT).

(\*4) Target : The wooden products made from fiberboard, particleboard, or plywood, which are employed in products (e.g. speakers and racks)

(\*5) Target : 1.Substrates for FeliCa contactless IC cards 2.Fabrics and coating agents used for carrying bags, carrying cases, and carrying pouches 3.Cable ties used for accessories and connecting cords 4.Packaging components and materials to protect, contain, or transport products or supplied accessories 5.Heat shrink tubes 6.Insulating plates, decorative panels, labels, sheet, and laminates

(\*6) Target : Uses installed into product (e.g. refrigerant and insulation)

(\*7) Target : 1. Moisture indicator used for a desiccant agent (e.g. silicagel) 2. Humidity indicator card which is impregnated with cobalt dichloride

(\*8) The target substance groups and uses are listed in the Annex XVII of the EU REACH regulations. However, only the applications allowed for use covered by the exemptions and time limits specified in the Annex XVII of the EU REACH Regulations shall be exempt from the prohibition of use.

(\*9) Use is prohibited at the following thresholds

1) When more than 1,000 ppm is contained in parts

2) When more than 10ppm is contained in chemicals

3) When more than  $1\mu\text{g}/\text{m}^2$  is contained in fibers, carpets and other coated products