Japan Display Inc.

Japan Display Inc.
Green Procurement
(For Suppliers)

April 1, 2022

Revision History

Description	Date
Established	February 2013
Revisions conforming to the Green Procurement Guidelines Version 3.0	April 1, 2014
Revisions conforming to the Green Procurement Guidelines Version 4.0	April 1, 2015
Revisions conforming to the Green Procurement Guidelines Version 6.0	April 1, 2017
Revisions conforming to the Green Procurement Guidelines Version 7.0	April 1, 2018
Revisions conforming to the Green Procurement Guidelines Version 8.0	April 1, 2019
Revisions conforming to the Green Procurement Guidelines Version 9.0	April 1, 2020
Revisions conforming to the Green Procurement Guidelines Version 10.0	April 1, 2021
Revisions conforming to the Green Procurement Guidelines Version 11.0	April 1, 2022

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(i) Purpose of This Material

[Purpose of This Material] Environmental Regulations Surrounding JDI Products

Regulations & customer requirements never decreasing! Only increasing and strengthening!

RoHS II

Regulated substances = 6 substances (less than 1000 ppm)
(Less than 100 ppm only for cadmium, hexavalent chromium, mercury, lead, PBDE, PBB + 4 kinds of phthalates)
Employment of open scope

ELV

Regulated substances = 4 substances (less than 1000 ppm)
(Lead, mercury, less than 100 ppm only for cadmium, hexavalent chromium)
Implementation of acceptance inspection of components

REACH

Substances of Very High Concern (SVHC)
Any substance including 0.1 wt% or more SVHC shall be reported (content rate, content weight)

Minamata Convention on Mercury

A multilateral environmental agreement that stipulates comprehensive regulations to reduce the risks of mercury to human health and the environment, including prohibition of primary mercury mining, and limitations on trade, mercury-added products, and use of mercury in manufacturing processes

No data, No market!

European Chemicals Agency

China RoHS

Labeling obligation, communication
Regulated substances = 6 substance
(cadmium, hexavalent chromium, mercury, lead, PBDE, PBB)

Toy regulation

6 substances of phthalic acid esters
Less than 1000 ppm in total
Discriminating control of processes
Labeling on procured components being required
Implementation of acceptance inspection of components
Possible to use a line in common, however cleaning required on switching

PFOS regulation

Content less than 1000 ppm
Clients and Canadian law are requiring not to include.
Replacing components including the substance to not-including components

Halogen free

Bromine and chlorine each less than 900 ppm, and in total less than 1500 ppm
Requesting clients are increasing, such as Pa other than companies A, S, and So.

BPR

All biocidal products require an authorization before they can be placed on the market, and the active substances contained in that biocidal product must be previously approved.

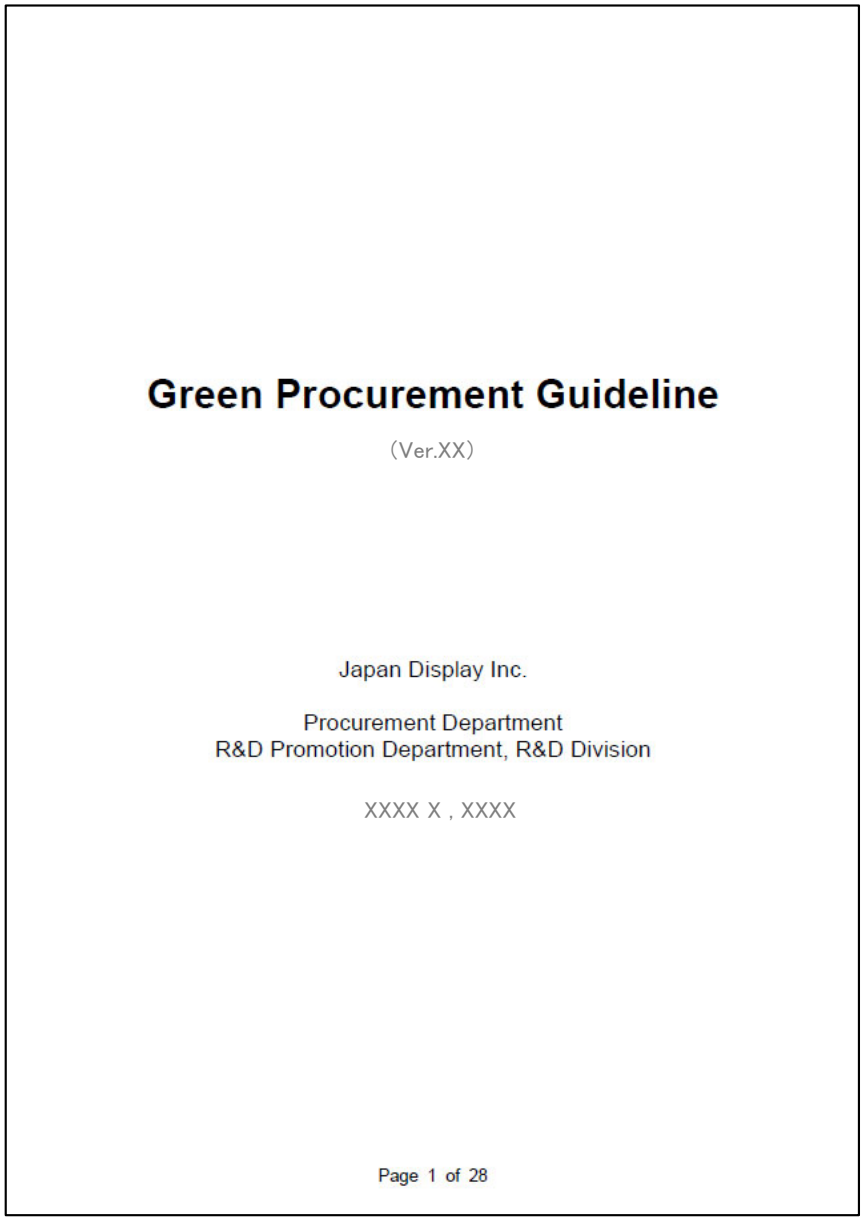
The “Legal regulations and clients’ requirements” with regard to chemical ingredients are becoming more and more complex year by year, and compliance to these issues requires standardized criteria, schemes, and systems. ⇒ Establishment of JDI’s Green Procurement Guidelines

For the purpose to observe various legal regulations and clients' requirements related to environmental issues, JDI's Green Procurement Guidelines are established.

Green Procurement Guidelines stipulate the environmental requirements necessary to undertake business with JDI.

This material is prepared to aim for suppliers to:
"understand important parts of the Green Procurement Guidelines, and take correct and smooth actions for JDI's environmental requirements."

[Purpose of This Material] Green Procurement Guidelines



Green Procurement Guideline

(Ver.XX)

Japan Display Inc.

Procurement Department
R&D Promotion Department, R&D Division

XXXX X , XXXX

Page 1 of 28

The latest edition is posted on the URL below

Japanese: http://www.j-display.com/company/procurement/supply.html
English: http://www.j-display.com/english/company/procurement/supply.html

(ii) Requirements of Green Procurement Guidelines

[Requirements of Green Procurement Guidelines] Materials Requested to Suppliers

◎: Mandatory
- : Unnecessary

Materials requested by Guidelines	Before deal with new supplier	On employment of new procurement *1	On renewal survey *2	Supplement	Request and answer method
JDI environment-audit-sheet	◎	-	◎	・In accordance with the audit form issued by JAMP, Supplier's action system on environment will be evaluated.	**E-Mail** (Requests and answers by the E-Mail)
Certification of non-use of environment-related substances	-	◎	◎	・Format specified by JDI ・Suppliers are requested to declare non-use of prohibited substances. ・Suppliers are requested to report information of constitution of procured components and chemical substances using *annex "Component List" and " Substance Survey Form."*	**jDesc** (Requests and answers through the system on web registration)
JAPIA Sheet	-	◎	◎	・A format of 100% *material sheet* issued by the Japan Auto Parts Industries Association (JAPIA)	
Analytical reports	-	◎	◎	・ Precise analytical reports on RoHS and halogens (chlorine and bromine) issued by a third-party organization ・ * RoHS includes 4 Phthalates.	
SDS(MSDS) (Material sheet)	-	◎	◎	・If SDS(MSDS) is not available, a *material sheet* issued by the material manufacturer may be acceptable.	
Part Component Diagram		◎ * Limited to objective components.	◎ * Limited to objective components.	・Electronic components, FPC, LED, touch panels, etc. (Sample description is listed in the non-use certification.)	

***1 : The procured components herein means the "*Materials and other product-related procurements*." (See the next page.)**
⇒ All the procurements that go into any product sold by JDI Group, including end products, system components, units, parts, materials and packaging materials for delivery.
***2 : The renewal survey is triggered by amendments of legal regulations, clients' requirements, and JDI's standards.**

Refer to the pages of (iv) Description of Survey Formats for details of each material.

Materials and other product-related procurements (Reference)

***Materials and other product-related procurements* (Reference)**

1) Constituent components of JDI's products

Substrate glass, target, coating agent, photo resist agent,

color filter, liquid crystal, orientation agent, sealing agent, spacer, conductive paste

polarizing plate, touch panel, sealant, back light, PCB substrate (COF), ICs, FPC, electric component (resister, capacitor, connector, etc.),

ACF, tapes, frames, adhesives, sheets, label, protective sheet, touch panel,

cover glass, solder, ink for printing on label

2) Packing materials used for shipment of JDI's products

Tray, bag for each component, tapes, desiccant, packing box, etc.

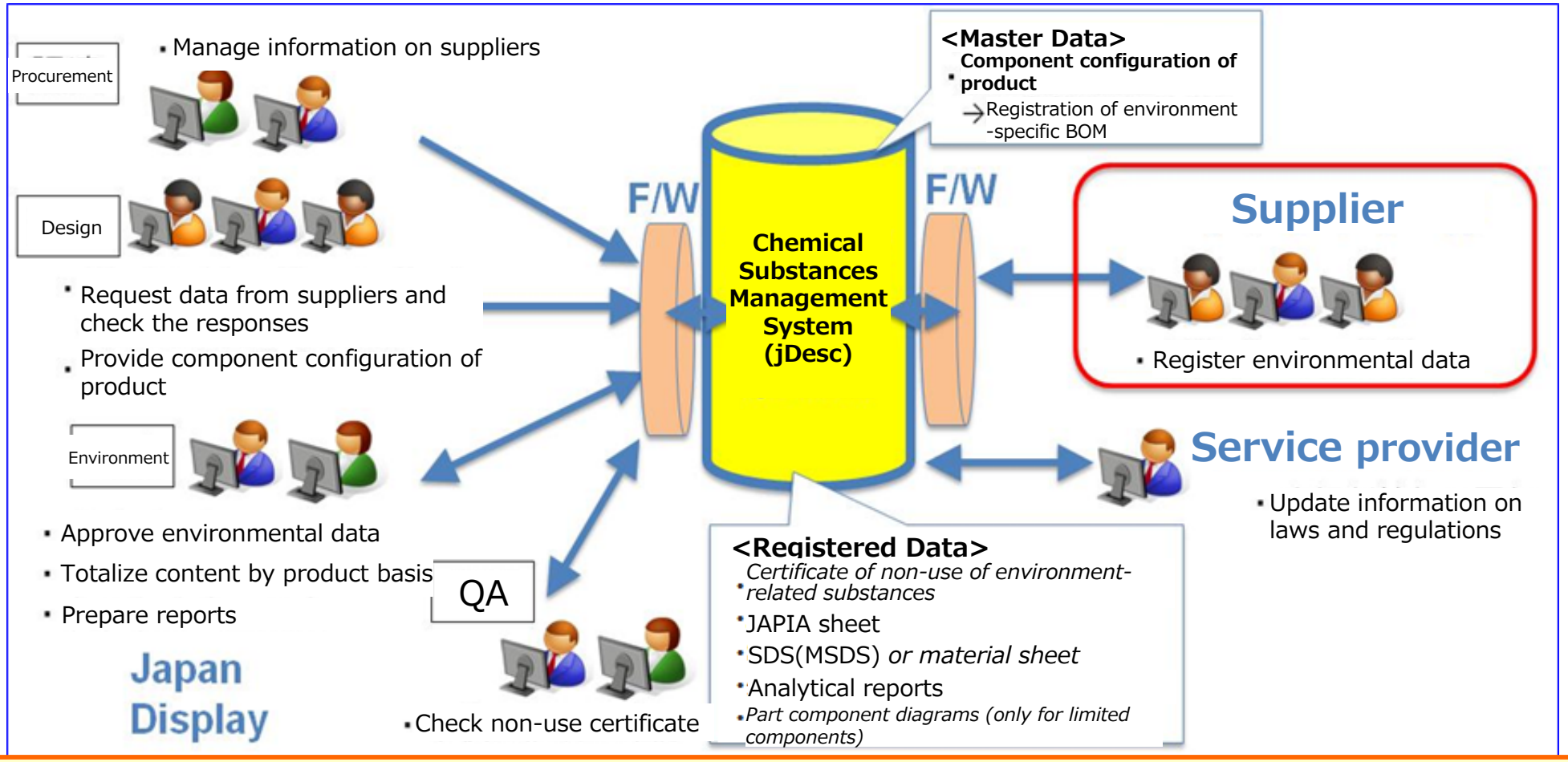
* The above items are listed as reference for your concrete understanding of the "*Materials and other product-related procurements*."

  Procured items not listed here, but constituting JDI's products, are subject to this requirement.

Survey Method for Environmental Materials with Suppliers

Chemical Substances Management System (jDesc)

jDesc:
JD Environmental information System for Chemical substance



An environmental materials survey is conducted by the system operators using jDesc.
The suppliers are required to register directly (Web registration) with jDesc when responding.
Refer to the page of the (v) Survey Request and Answer Method (jDesc) for details.

Other Requirements

<Requirements of Procurement Items for Specific Clients>

Suppliers who supply procurement items for specific clients may be requested to submit one or more of the following documents as required by the clients:

(1) Submission of reports

- *Certification of non-use of environment-related substances* updated and renewed as of the date of submission
- Analytical reports of which analysis start date was within a year before re-submission date
- Analytical reports of antimony, PVC (polyvinyl chloride), arsenic, PFOS, PFOA, beryllium, etc.

(2) Submission of materials for analysis

- As for material analysis, 30 g of each constitution material of each component

(3) Frequency and timing

- It is planned to submit once a year basically.
- Submission time is informed by JDI as necessary.

(4) Others

- If a specific client requires items other than those listed above, supplier(s) may be requested to submit the required items.

<Requirements of Procurement Items for Automobile>

Suppliers may be required to submit the IMDS (International Material Data System). If the submission of the IMDS is required, submissions of the documents “Certification of non-use of environment-related substances,JAPIA Sheet,Analytical reports,SDS(MSDS) ,Part Component Diagram” are basically exempted unless required by our customers.

(iii) *Standard of Prohibited and Controlled Substances in Product*

Standard of Prohibited and Controlled Substances in Product - 1

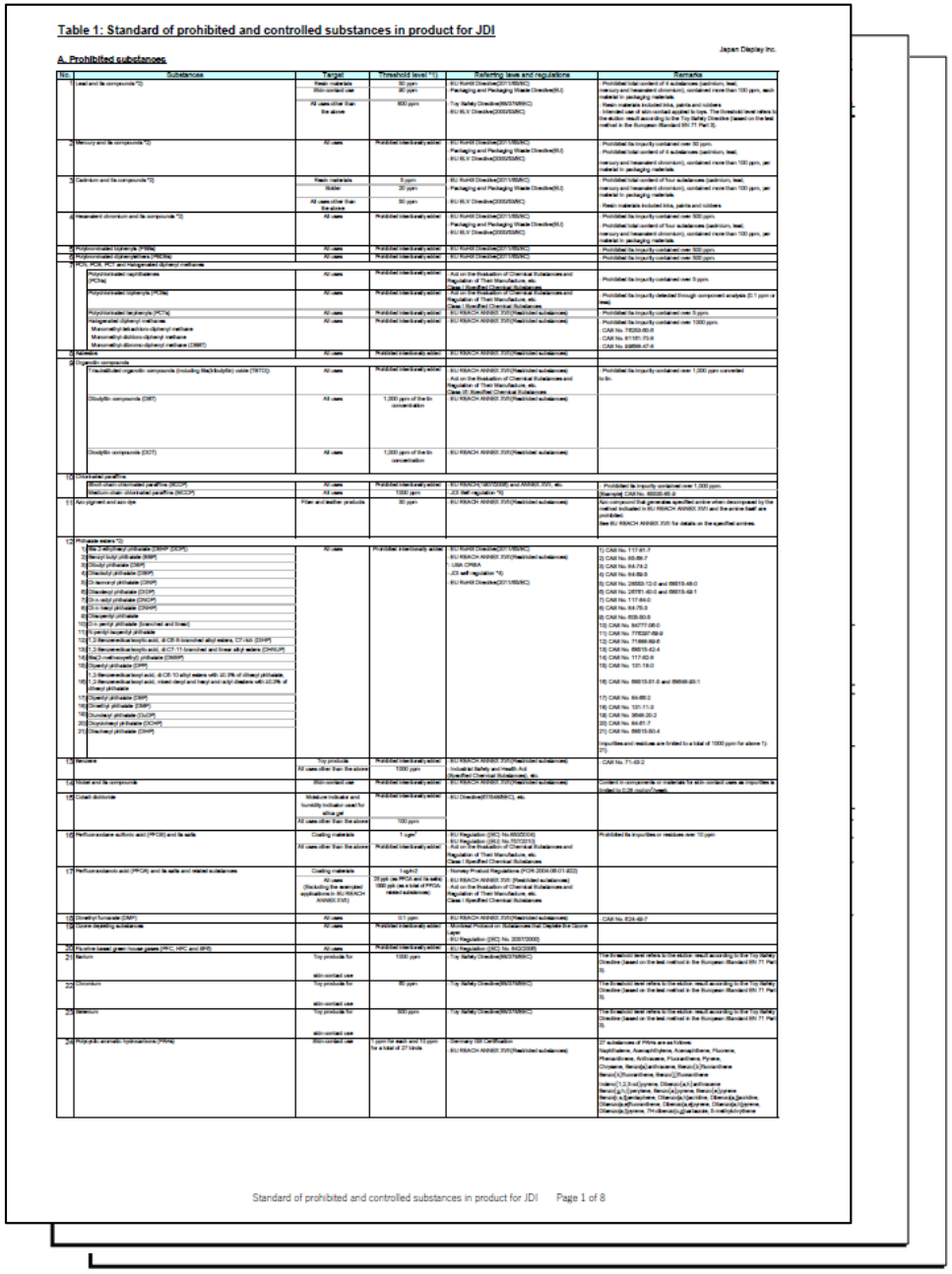


Table 1: Standard of prohibited and controlled substances in product for JDI

Japan Display Inc.

A. Prohibited substances

No.	Substances	Target	*Threshold level *1)	Referring laws and regulations	Remarks
1	Lead and its compounds *2)	Resin materials	90 ppm	EU RoHS Directive(2011/65/EC)	Prohibited total content of 4 substances (cadmium, lead, mercury and hexavalent chromium), contained more than 100 ppm, each material in packaging materials.
		Skin-contact use	90 ppm	Packaging and Packaging Waste Directive(94/)	
		All uses other than the above	900 ppm	Toy Safety Directive(2009/48/EC)	Resin materials included inks, paints and rubbers
				EU ELV Directive(2000/53/EC)	Intended use of skin-contact applied to toys. The threshold level refers to the elution result according to the Toy Safety Directive (based on the test method in the European Standard EN 71 Part3).
2	Mercury and its compounds *2)	All uses	Prohibited intentionally added	EU RoHS Directive(2011/65/EC)	Prohibited its impurity contained over 50 ppm.
				Packaging and Packaging Waste Directive(94/)	Prohibited total content of 4 substances (cadmium, lead, mercury and hexavalent chromium), contained more than 100 ppm, per material in packaging materials.
				EU ELV Directive(2000/53/EC)	
3	Cadmium and its compounds *2)	Resin materials	5 ppm	EU RoHS Directive(2011/65/EC)	Prohibited total content of four substances (cadmium, lead, mercury and hexavalent chromium), contained more than 100 ppm, per material in packaging materials.
		Rubber	20 ppm	Packaging and Packaging Waste Directive(94/)	
		All uses other than the above	50 ppm	EU ELV Directive(2000/53/EC)	Resin materials included inks, paints and rubbers
4	Hexavalent chromium and its compounds *2)	All uses	Prohibited intentionally added	EU RoHS Directive(2011/65/EC)	Prohibited its impurity contained over 500 ppm.
				Packaging and Packaging Waste Directive(94/)	Prohibited total content of four substances (cadmium, lead, mercury and hexavalent chromium), contained more than 100 ppm, per material in packaging materials.
				EU ELV Directive(2000/53/EC)	
5	Polybrominated biphenyls (PBBs)	All uses	Prohibited intentionally added	EU RoHS Directive(2011/65/EC)	Prohibited its impurity contained over 500 ppm.
6	Polybrominated diphenylethers (PBDEs)	All uses	Prohibited intentionally added	EU RoHS Directive(2011/65/EC)	Prohibited its impurity contained over 500 ppm.
7	PCB, PCN, PCT and Halogenated diphenyl methanes				
	Polychlorinated naphthalenes (PCNs)	All uses	Prohibited intentionally added	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. Class I Specified Chemical Substances	Prohibited its impurity contained over 5 ppm.
	Polychlorinated biphenyls (PCBs)	All uses	Prohibited intentionally added	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. Class I Specified Chemical Substances	Prohibited its impurity detected through component analysis (0.1 ppm or less)
	Polychlorinated terphenyls (PCTs)	All uses	Prohibited intentionally added	EU REACH ANNEX XVII(Restricted substances)	Prohibited its impurity contained over 5 ppm.
	Halogenated diphenyl methanes Monomethyltetrachlorodiphenylmethane Monomethyldichlorodiphenylmethane Monomethyldibromodiphenylmethane (DBBT)	All uses	Prohibited intentionally added	EU REACH ANNEX XVII(Restricted substances)	Prohibited its impurity contained over 1000 ppm. CAS No. 76253-60-6 CAS No. 81161-70-8 CAS No. 99688-47-8
8	Asbestos	All uses	Prohibited intentionally added	EU REACH ANNEX XVII(Restricted substances)	
9	Organotin compounds				
	Tricyclohexyltin compounds (including Azacyclotin) oxide (TRTO)	All uses	Prohibited intentionally added	EU REACH ANNEX XVII(Restricted substances) Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. Class I Specified Chemical Substances	Prohibited its impurity contained over 1,000 ppm converted to tin.
	Dibutyltin compounds (DBT)	All uses	1,000 ppm of the tin concentration	EU REACH ANNEX XVII(Restricted substances)	
	Dioctyltin compounds (DOT)	All uses	1,000 ppm of the tin concentration	EU REACH ANNEX XVII(Restricted substances)	
10	Chlorinated paraffins				
	Short chain chlorinated paraffins (SCCP)	All uses	Prohibited intentionally added	EU REACH ANNEX XVII(Restricted substances) and ANNEX XIV, etc.	Prohibited its impurity contained over 1,000 ppm.
	Medium chain chlorinated paraffins (MCCP)	All uses	1000 ppm	JDI self-regulation *4)	Chemical CAS No. 85535-85-9
11	Azo pigment and azo dye	Fiber and leather products	30 ppm	EU REACH ANNEX XVII(Restricted substances)	Azo compound that generates specified amine when decomposed by the method indicated in EU REACH ANNEX XVII and the entire itself are prohibited. See EU REACH ANNEX XVII for details on the specified amines.
12	Phthalate esters *3)				
	1) Di-(2-ethylhexyl) phthalate (DEHP (DOP))	All uses	Prohibited intentionally added	EU RoHS Directive(2011/65/EC) EU REACH ANNEX XVII(Restricted substances) USA CPSIA JDI self-regulation *4) EU RoHS Directive(2011/65/EC)	1) CAS No. 117-81-7
	2) Benzyl butyl phthalate (BBP)				2) CAS No. 85-68-7
	3) Dibutyl phthalate (DBP)				3) CAS No. 84-74-2
	4) Diisobutyl phthalate (DIBP)				4) CAS No. 84-69-5
	5) Di-n-hexyl phthalate (DNHP)				5) CAS No. 26933-12-0 and 68515-49-0
	6) Diisohexyl phthalate (DIHP)				6) CAS No. 68515-50-4 and 68515-49-1
	7) Di-n-octyl phthalate (DNOP)				7) CAS No. 117-84-0
	8) Di-n-hexyl phthalate (DNHP)				8) CAS No. 84-75-3
	9) Diisooctyl phthalate				9) CAS No. 27554-26-3
	10) Di-n-pentyl phthalate (branched and linear)				10) CAS No. 84777-06-0
	11) Di-pentyl-hexyl-octyl phthalate				11) CAS No. 776297-69-9
	12) 1,2-Benzenedicarboxylic acid, di-C6-10-branched alkyl esters, C7-rich (DIHP)				12) CAS No. 71888-89-6
	13) 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)				13) CAS No. 68515-42-4
	14) Bis(2-methoxyethyl) phthalate (DMEP)				14) CAS No. 117-82-8
	15) Dipentyl phthalate (DPP)				15) CAS No. 131-18-0
	16) 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters with ≥0.3% of dihexyl phthalate				16) CAS No. 68515-51-5 and 68648-93-1
	17) 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate				17) CAS No. 84-69-5
	18) Diisopentyl phthalate (DIPP)				18) CAS No. 131-11-3
	19) Dinonyl phthalate (DNP)				19) CAS No. 3648-20-2
	20) Di-n-octyl phthalate (DNOP)				20) CAS No. 84-85-7
	21) Diisohexyl phthalate (DIHP)				21) CAS No. 68515-50-4
					Impurities and residues are limited to a total of 1000 ppm for above 1) -21).
13	Benzene	Toy products	Prohibited intentionally added	EU REACH ANNEX XVII(Restricted substances)	CAS No. 71-43-2
		All uses other than the above	1000 ppm	Industrial Safety and Health Act (Specified Chemical Substances), etc.	
14	Nickel and its compounds	Skin-contact use	Prohibited intentionally added	EU REACH ANNEX XVII(Restricted substances)	Content in components or materials for skin-contact uses as impurities is limited to 0.06 mg/cm²/week.
15	Cobalt dichloride	Moisture indicator and humidity indicator used for silica gel	Prohibited intentionally added	EU Directive(67/548/EEC), etc.	
		All uses other than the above	100 ppm		
16	Perfluorooctane sulfonic acid (PFOS) and its salts	Coating materials	1 ug/m²	EU Regulation (EC) No.850/2004 EU Regulation (EC) No.757/2010 Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. Class I Specified Chemical Substances	Prohibited its impurities or residues over 10 ppm
		All uses other than the above	Prohibited intentionally added		
17	Perfluorooctanoic acid (PFOA) and its salts and related substances	Coating materials	1 ug/m2	Norway Protocol Regulations (FOR-2004-06-01-922)	
		All uses (Excluding the exempted applications in EU REACH ANNEX XVII)	25 ppb (as PFOA and its salts) 1000 ppb (as a total of PFOA related substances)	EU REACH ANNEX XVII (Restricted substances) Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. Class I Specified Chemical Substances	
18	Dimethyl fumarate (DMF)	All uses	0.1 ppm	EU REACH ANNEX XVII(Restricted substances)	CAS No. 624-49-7
19	Ozone depleting substances	All uses	Prohibited intentionally added	Montreal Protocol on Substances that Deplete the Ozone Layer EU Regulation (EC) No. 2037/2000	
20	Fluorine based green house gases (HFC, HFC and SF6)	All uses	Prohibited intentionally added	EU Regulation (EC) No. 842/2006	
21	Barium	Toy products for	1000 ppm	Toy Safety Directive(88/378/EEC)	The threshold level refers to the elution result according to the Toy Safety Directive (based on the test method in the European Standard EN 71 Part 3).
		skin-contact use			
22	Chromium	Toy products for	60 ppm	Toy Safety Directive(88/378/EEC)	The threshold level refers to the elution result according to the Toy Safety Directive (based on the test method in the European Standard EN 71 Part 3).
		skin-contact use			
23	Selenium	Toy products for	500 ppm	Toy Safety Directive(88/378/EEC)	The threshold level refers to the elution result according to the Toy Safety Directive (based on the test method in the European Standard EN 71 Part 3).
		skin-contact use			
24	Polycyclic aromatic hydrocarbons (PAHs)	Skin-contact use	1 ppm for each and 10 ppm for a total of 27 kinds	Germany GS certification EU REACH ANNEX XVII(Restricted substances)	27 substances of PAHs are as follows: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Chrysene, Benzo[a]anthracene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[j]fluoranthene, Benzo[e]pyrene, Benzo[a]pyrene, Perylene, Indeno[1,2,3-cd]pyrene, Dibenzo[a,h]anthracene, Benzo[g,h,i]perylene, Benzo[b]chrysene, Benzo[a]chrysene, Benzo[c]phenanthrene, Dibenzo[a,e]pyrene, Dibenzo[a,h]pyrene, Dibenzo[a,i]pyrene, Dibenzo[a,l]pyrene, 7H-Benzo[c]fluorene, 5-methylchrysene

Standard of prohibited and controlled substances in product for JDI Page 1 of 8

Our company stipulates the types, regulation values and other information on prohibited and controlled substances in **Table 1: Standard of Prohibited and Controlled Substances in Product for JDI**.

*The latest edition is posted on the URL below.

Japanese :
http://www.j-display.com/company/procurement/supply.html
English :
http://www.j-display.com/english/company/procurement/supply.html

Standard of Prohibited and Controlled Substances in Product - 2

[Prohibited Substances]
Substances, included in the "*Materials and other product-related procurements*," which are prohibited to be included in excess of the specified limit or added intentionally.

[JDI's policy for establishing prohibited substances]

(i) **Substances prohibited by domestic and foreign legal regulations** regarding contained chemical substances such as European RoHS Directive, REACH regulation, and Japanese Law Concerning the Examination and Regulation of Manufacture etc. of Chemical Substances, etc.

(ii) **Substances required by JDI's clients to prohibit** (such as halogen, PVC, antimony, and arsenic) which are not legally regulated but there is concern about adverse effects on the human body and the environment.

(iii) The **regulated limit value (threshold value)** of each prohibited substance is decided **in consideration of JDI's clients' requirements.**
(Limit values of some substances may be required to be at lower values than under legal regulations.)

[Procurement items to which prohibited substance standards are to be applied]

- To be applied to "*Materials and other product-related procurements*."
- The procurement items approved on or before March 31, 2013 are to be subject to the prohibited substance standards effective at the time of approval.
  (However, any substances to be used for our new products on and after April 2013 shall be re-checked under new standards.)

Standard of Prohibited and Controlled Substances in Product - 3

[Procedure for permission to use prohibited substances]
If JDI's standards for prohibited substances cannot be assured on some substance for reason(s) affecting quality, performance, safety, cost, and so on, use of the substances may be permitted under the condition that all of the following have been confirmed:

- Can be assured not to fall under the legal regulations
- Not falling under JDI's relevant clients' requiring prohibited substance standards (or having been approved by the clients).
- Subjective material name or model name being specified in the specifications and/or drawings supplied by JDI.

The above matters are to be confirmed on the certification of non-use of environment-related substances.

[Relation to requiring specifications and drawings]

- If any discrepancy is found between prohibited substance standards in the Green Procurement Guideline and substances specified in JDI's specifications and/or drawings, the content in the required specifications and/or drawings takes precedence.

* If a client requires a substance in excess of the prohibited level stipulated in the Green Procurement Guideline, the use of the prohibited substances may be requested additionally in the specifications and/or drawings.

[Exemption of European RoHS Directive:]

- Any use of components for exempted use shall be reported to JDI in advance.
  (Certification of non-use of environment-related substances shall be used for reporting.)
- As a general rule, supply of any item whose exempted use is limited in duration under the relevant legal regulation shall be prohibited after the date a year prior to the expiration of the exemption.

Controlled Substances to be Included in Products

[Controlled substances to be included in Products]
Substances to be reported to JDI if they are included or intentionally to be added

The substances including those of very high concern (SVHC) of the REACH regulations are objective substances to be controlled.

Report to JDI if some of them are included, regardless of their included quantity.

(Certification of non-use of environment-related substances and JAPIA Sheet shall be used for reporting.)

(iv) Description of Survey Formats

(iv)–1. JDI environment-audit-sheet

JDI environment-audit-sheet – 1/3

Supplier's activities on environment preservation are evaluated.

[Evaluation items]

(i) Whether the supplier has obtained, or is planning to obtain, ISO 9001 or ISO 14001 certification by an independent accredited organization.

(ii) With regard to environment preservation, nineteen major activities listed below are conducted proactively.

- 5.1.3 Determining the scope of the Chemicals in Products management
- 5.2.2 Policy
- 5.2.3 Roles, responsibility and authority of an organization
- 5.3.2 Objectives and planning to achieve them
- 5.4.2 Competence
- 5.4.5 Documented information
- 5.5.2.1 Customer communication
- 5.5.2.2 Defining the Chemicals in Products management criteria
- 5.5.3 Chemicals in Products Management in design and development
- 5.5.4.1 Chemicals in Products information collection and verification
- 5.5.4.2 Verification of the Chemicals in Products management status at suppliers
- 5.5.4.3 Chemicals in Products management at receiving
- 5.5.4.4 Verification of the Chemicals in Products management status at outsourcing organization
- 5.5.5.1 Management in manufacturing processes (Management of conversion process)
- 5.5.5.2 Prevention of incorrect use and contamination (Management ofincorrect use and contamination for parallel production and prohibited substances)
- 5.5.5.3 Identification and traceability
- 5.5.6 Change management
- 5.5.7 Delivery of products
- 5.5.8 Response to occurrence of nonconformity
- 5.6 Performance evaluation and improvement

[Evaluation method]

Suppliers shall submit *JDI environment-audit-sheet* specified by JDI.
Evaluation is conducted by either means of a self-assessment or an on-site audit.

[Decision criteria]

S rank : Attained ISO 9001 and ISO 14001 certification and Essential items are all conforming and an overall score of at least 85%

A rank : Attained one of ISO 9001 and ISO 14001 certification, or neither of them and Essential items are all conforming and an overall score of at least 85%

B rank : Essential items are all conforming and an overall score of at least 60% but below 85%

C rank : Below 60% or any of the Essential items is non-conforming or if an audit sheet is not submitted

[Renewal evaluation]

Evaluation update is conducted by comprehensively considering the content specified below:
- Suppliers whose management system of chemical substances contained in products has been changed
- Suppliers delivering a high-risk products and parts which specified by JDI
- Past audit results
- Other suppliers that JDI determines evaluation update is necessary

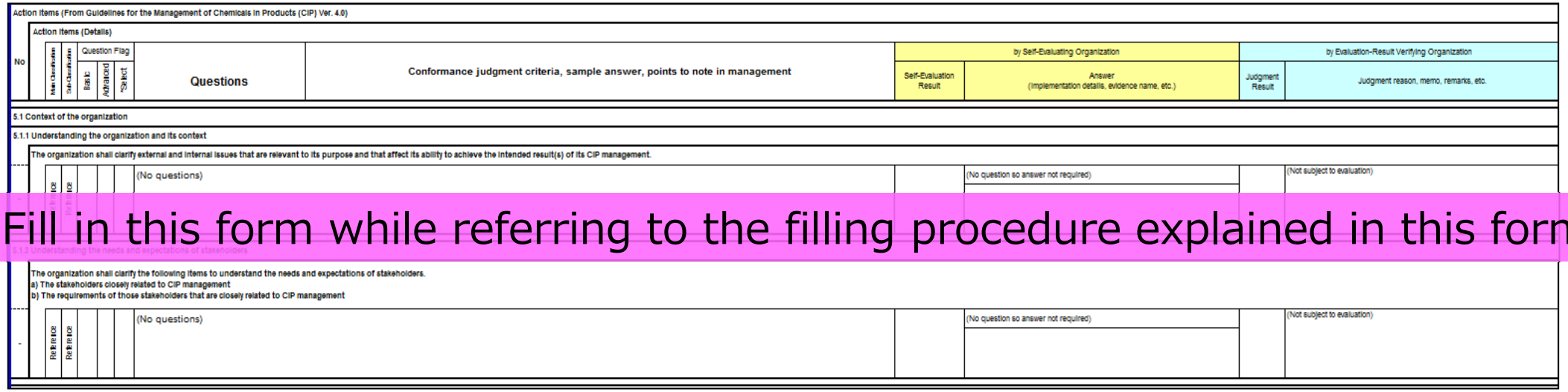
Any supplier intending to start a new transaction is requested to submit the JDI environment-audit-sheet. Suppliers ranked S or A will be adopted (priority supplier) and suppliers ranked B or C will be advised for improvement.

JDI environment-audit-sheet

This sheet is JDI's own audit sheet rearranged from the "*List of Action Items & Check Sheet*" issued by the Joint Article Management Promotion-consortium (JAMP). (Downloadable from the URL below)

http://www.j-display.com/company/procurement/supply.html (in Japanese)

http://www.j-display.com/english/company/procurement/supply.html (English)



Action Items (From Guidelines for the Management of Chemicals in Products (CIP) Ver. 4.0)

No	Action Items (Details)					Questions	Conformance judgment criteria, sample answer, points to note in management	by Self-Evaluating Organization		by Evaluation-Result Verifying Organization	
	Main Classification	Sub-Classification	Question Flag Basic	Question Flag Advanced	Question Flag Select			Self-Evaluation Result	Answer (Implementation details, evidence name, etc.)	Judgment Result	Judgment reason, memo, remarks, etc.
5.1 Context of the organization											
5.1.1 Understanding the organization and its context											
	The organization shall clarify external and internal issues that are relevant to its purpose and that affect its ability to achieve the intended result(s) of its CIP management.										
-	Reference	Reference				(No questions)			(No question so answer not required)		(Not subject to evaluation)
5.1.2 Understanding the needs and expectations of stakeholders											
	The organization shall clarify the following items to understand the needs and expectations of stakeholders. a) The stakeholders closely related to CIP management b) The requirements of those stakeholders that are closely related to CIP management										
-	Reference	Reference				(No questions)			(No question so answer not required)		(Not subject to evaluation)

Fill in this form while referring to the filling procedure explained in this form.

The rest of the items is omitted (59 of confirmation items in total)

Fill in this form while checking supplier's standards (regulations and document forms) and records (evidence).

* The submission of additional evidence may be requested if the information provided is not clear enough.
* An on-site audit may be conducted if the information provided indicates particular problems or if it is justified by the nature of the relevant products.

Request and answer procedure of JDI environment-audit-sheet

■ Requesting method
Submissions are requested by the E-Mail from JDI.

■ Answer due date
On request, JDI informs its desired answer date by which the supplier is requested to respond. (Any inconvenience for the answer within the specified date may be adjusted with the requesting department.)

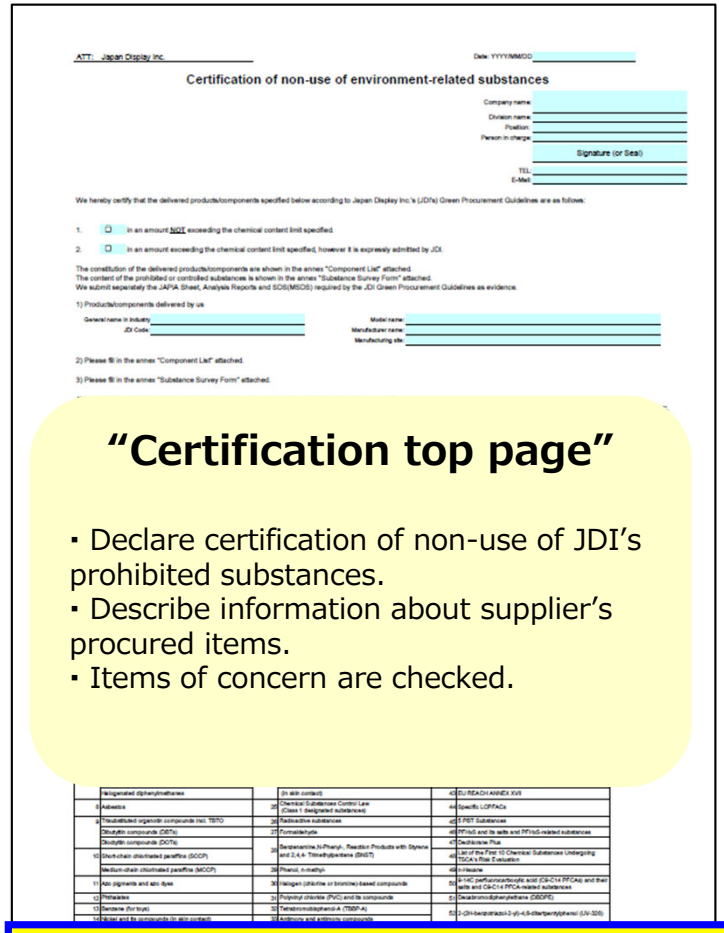
■ Answering method
The answer is to be send by the E-Mail.

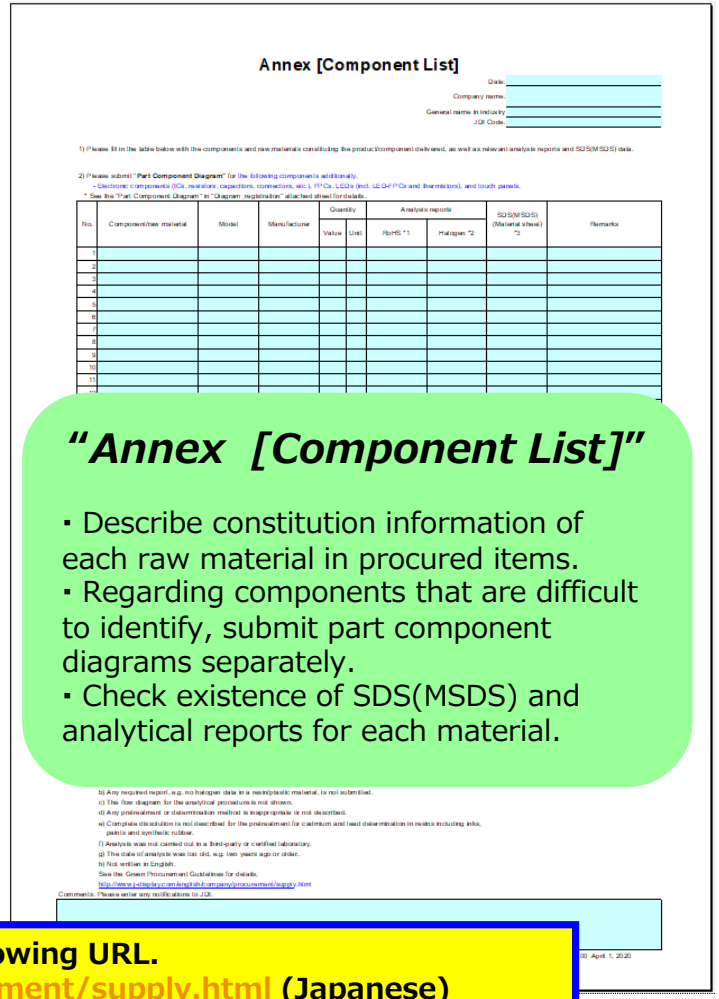
(iv) – 2. Certification of non-use of environment-related substances

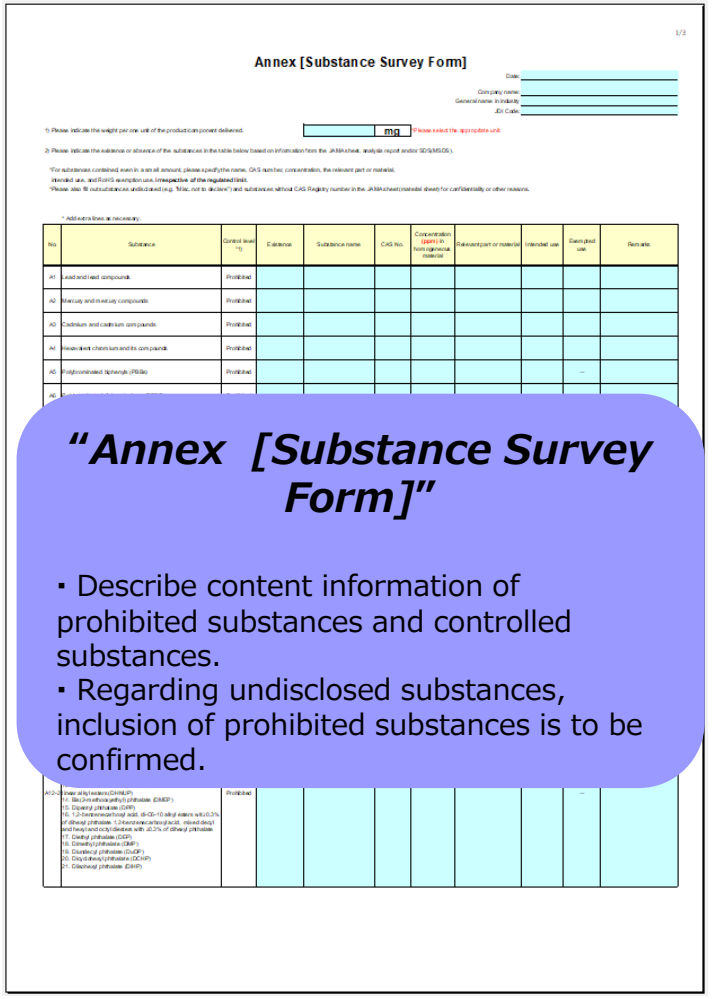
Certification of non-use of environment-related substances – 1/19

[Certification of non-use of environment-related substances (“Certification” hereunder)]
This is a form specified by JDI with which suppliers guarantee that the products listed in it satisfy the prohibited substance criteria in JDI’s Green Procurement Guideline for the procured items to be surveyed.

The Certification consists of “Certification top page,” “Annex [Component List],” and “Annex [Substance Survey Form].”


Certification of non-use of environment-related substances


Annex [Component List]


Annex [Substance Survey Form]

“Certification top page”

- Declare certification of non-use of JDI’s prohibited substances.
- Describe information about supplier’s procured items.
- Items of concern are checked.

“Annex [Component List]”

- Describe constitution information of each raw material in procured items.
- Regarding components that are difficult to identify, submit part component diagrams separately.
- Check existence of SDS(MSDS) and analytical reports for each material.

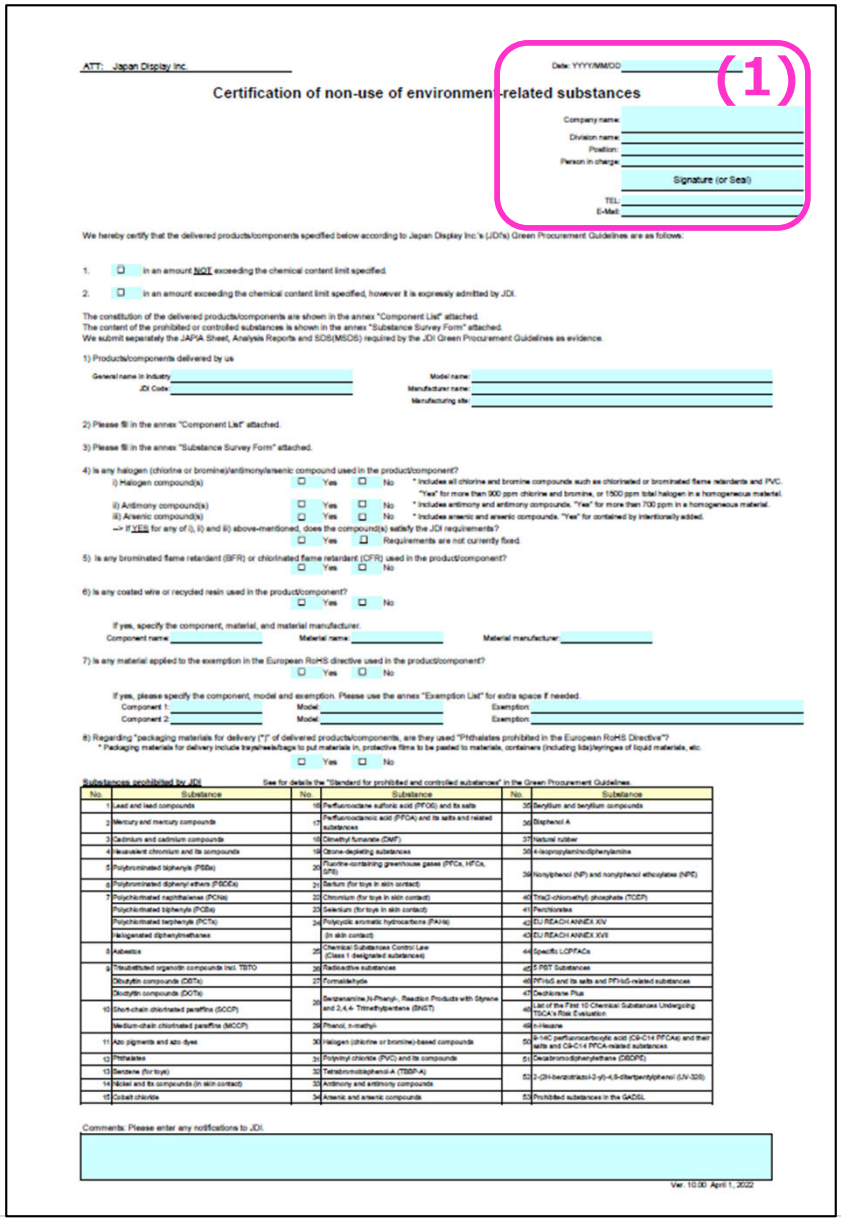
“Annex [Substance Survey Form]”

- Describe content information of prohibited substances and controlled substances.
- Regarding undisclosed substances, inclusion of prohibited substances is to be confirmed.

The format may be downloaded from the following URL.
http://www.j-display.com/company/procurement/supply.html (Japanese)
http://www.j-display.com/english/company/procurement/supply.html (English)

Certification of non-use of environment-related substances – 2/19

[Filling-in procedure of Certification top page(1)]



ATT: Japan Display Inc.

Date: YYYY/MM/DD

(1)

Certification of non-use of environment-related substances

Company name:
Division name:
Position:
Person in charge:
Signature (or Seal)
TEL:
E-Mail:

We hereby certify that the delivered products/components specified below according to Japan Display Inc.'s (JDI's) Green Procurement Guidelines are as follows:

1. ☐ in an amount NOT exceeding the chemical content limit specified.
2. ☐ in an amount exceeding the chemical content limit specified, however it is expressly admitted by JDI.

The constitution of the delivered products/components are shown in the annex "Component List" attached.
The content of the prohibited or controlled substances is shown in the annex "Substance Survey Form" attached.
We submit separately the JAPIA Sheet, Analysis Reports and SDS(MSDS) required by the JDI Green Procurement Guidelines as evidence.

1) Products/components delivered by us
General name in industry:
JDI Code:
Model name:
Manufacturer name:
Manufacturing site:

2) Please fill in the annex "Component List" attached.

3) Please fill in the annex "Substance Survey Form" attached.

4) Is any halogen (chlorine or bromine)/antimony/arsenic compound used in the product/component?
i) Halogen compound(s) ☐ Yes ☐ No * Includes all chlorine and bromine compounds such as chlorinated or brominated flame retardants and PVC. "Yes" for more than 900 ppm chlorine and bromine, or 1500 ppm total halogen in a homogeneous material.
ii) Antimony compound(s) ☐ Yes ☐ No * Includes antimony and antimony compounds. "Yes" for more than 700 ppm in a homogeneous material.
iii) Arsenic compound(s) ☐ Yes ☐ No * Includes arsenic and arsenic compounds. "Yes" for contained by intentionally added.
–> If YES for any of (i), ii) and iii) above-mentioned, does the compound(s) satisfy the JDI requirements?
☐ Yes ☐ Requirements are not currently fixed.

5) Is any brominated flame retardant (BFR) or chlorinated flame retardant (CFR) used in the product/component?
☐ Yes ☐ No

6) Is any coated wire or recycled resin used in the product/component?
☐ Yes ☐ No

If yes, specify the component, material, and material manufacturer.
Component name: Material name: Material manufacturer:

7) Is any material applied to the exemption in the European RoHS directive used in the product/component?
☐ Yes ☐ No

If yes, please specify the component, model and exemption. Please use the annex "Exemption List" for extra space if needed.
Component 1: Model: Exemption:
Component 2: Model: Exemption:

8) Regarding "packaging materials for delivery (")" of delivered products/components, are they used "Phthalates prohibited in the European RoHS Directive"?
* Packaging materials for delivery include trays/reels/bags to put materials in, protective films to be pasted to materials, containers (including lids)/syringes of liquid materials, etc.
☐ Yes ☐ No

Substances prohibited by JDI — See for details the "Standard for prohibited and controlled substances" in the Green Procurement Guidelines.

No.	Substance	No.	Substance	No.	Substance
1	Lead and lead compounds	16	Perfluorooctane sulfonic acid (PFOS) and its salts	35	Beryllium and beryllium compounds
2	Mercury and mercury compounds	17	Perfluorooctanoic acid (PFOA) and its salts and related substances	36	Bisphenol A
3	Cadmium and cadmium compounds	18	Dimethyl fumarate (DMF)	37	Natural rubber
4	Hexavalent chromium and its compounds	19	Ozone-depleting substances	38	4-Isopropylaminodiphenylamine
5	Polybrominated biphenyls (PBBs)	20	Fluorine-containing greenhouse gases (PFCs, HFCs, SF6)	39	Nonylphenol (NP) and nonylphenol ethoxylates (NPE)
6	Polybrominated diphenyl ethers (PBDEs)	21	Barium (for toys in skin contact)		
7	Polychlorinated naphthalenes (PCNs)	22	Chromium (for toys in skin contact)	40	Tris(2-chloroethyl) phosphate (TCEP)
	Polychlorinated biphenyls (PCBs)	23	Selenium (for toys in skin contact)	41	Perchloroles
	Polychlorinated terphenyls (PCTs)	24	Polycyclic aromatic hydrocarbons (PAHs)	42	EU REACH ANNEX XIV
	Halogenated diphenylmethanes		(in skin contact)	43	EU REACH ANNEX XVII
8	Asbestos	25	Chemical Substances Control Law (Class 1 designated substances)	44	Specific LCPFACs
9	Tributyltated organotin compounds incl. TBTO	26	Radioactive substances	45	C5 PBT Substances
	Dibutyltin compounds (DBTs)	27	Formaldehyde	46	PFHxS and its salts and PFHxS-related substances
	Dioctyltin compounds (DOTs)	28	Benzenamine,N-Phenyl-, Reaction Products with Styrene and 2,4,4- Trimethylpentene (BNST)	47	Dechlorane Plus
10	Short-chain chlorinated paraffins (SCCP)			48	List of the First 10 Chemical Substances Undergoing TSCA's Risk Evaluation
	Medium-chain chlorinated paraffins (MCCP)	29	Phenol, 4-methyl-	49	n-Hexane
11	Azo pigments and azo dyes	30	Halogen (chlorine or bromine)-based compounds	50	9-HC perfluorocarboxylic acid (C9-C14 PFCAs) and their salts and C9-C14 PFCA-related substances
12	Phthalates	31	Polyvinyl chloride (PVC) and its compounds	51	Decabromodiphenylethane (DBDPE)
13	Benzene (for toys)	32	Tetrabromobisphenol-A (TBBP-A)	52	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
14	Nickel and its compounds (in skin contact)	33	Antimony and antimony compounds		
15	Cobalt chloride	34	Arsenic and arsenic compounds	53	Prohibited substances in the GADSL

Comments: Please enter any notifications to JDI.

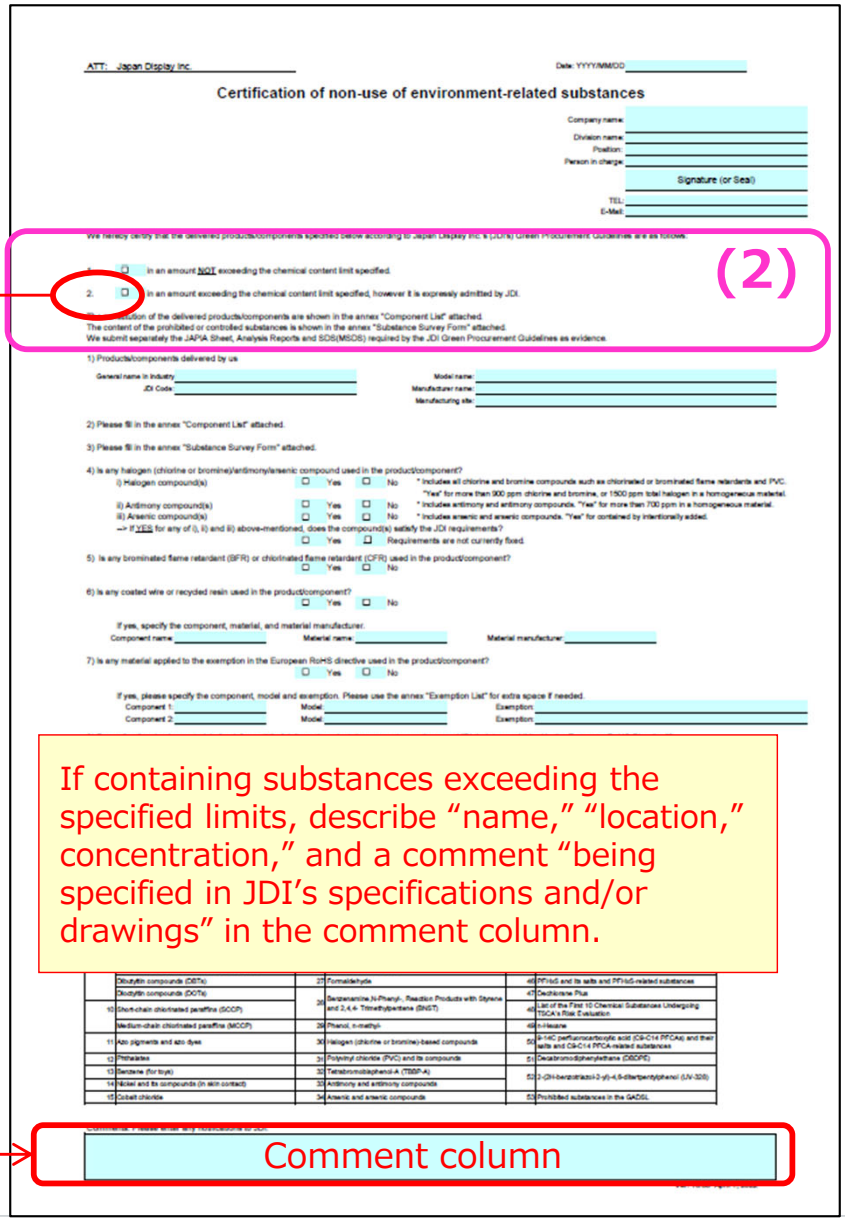
Ver. 10.00 April 1, 2022

(1)

<Space for supplier's basic information and seal >
Date :Issue date of certification
Company name: Supplier's company name
* To be filled in by the primary supplier to JDI.
Division name :Department and Division in charge
Position :Position of person in charge
Person in charge: Name of a person who approves the Certification
Seal :Seal of person in charge or company's seal (electronic seal acceptable)
* A Certification without a seal is not acceptable.
TEL :Fill in a phone number to which JDI may communicate.
E-Mail :Fill in an e-mail address to which JDI may communicate.

Certification of non-use of environment-related substances – 3/19

[Filling-in procedure of Certification top page(2)]



(2)

<Selection of items to be guaranteed>
Select **appropriate one** of the following guarantees, (1) or (2) (check in a box).

‘We hereby guarantee that the delivered product/component is, with regard to “Substances not to be included in products” in Japan Display’s (JDI’s) Green Procurement Guidelines:
(1) not applied with any substances in excess quantity over the limit specified; or
(2) applied with some substances in excess quantity of the limit specified; however, they are substances whose use is expressly admitted by JDI. We hereby guarantee that any substances except expressly admitted substances are not applied in excess quantity over the limit specified.’

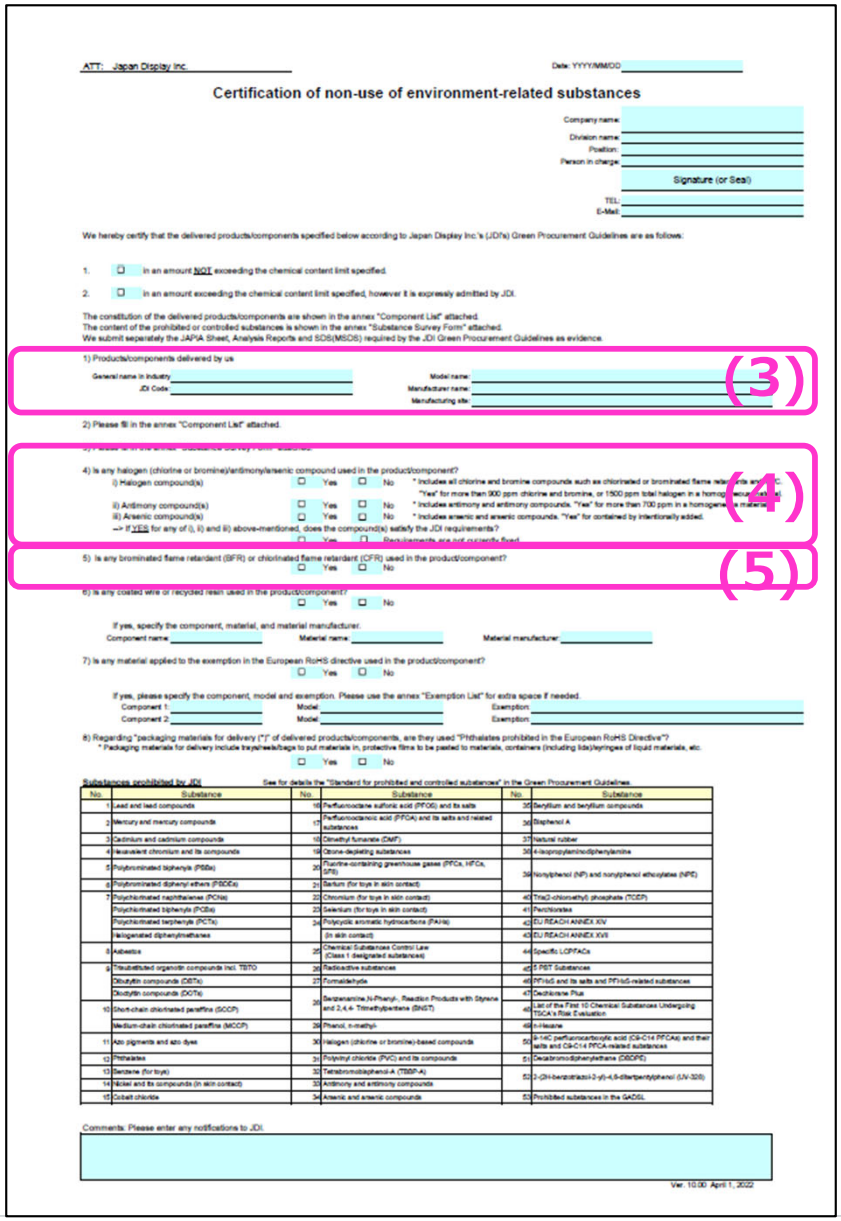
When selecting (2), confirm “Names and model numbers of the components permitted to exceed the specified limit are listed in the specifications and/or drawings given by JDI which stipulate requirements given to the supplier.”

If not specified, communicate to JDI’s staff in charge of design or engineering for submission.

Components and materials which exceed the specified limits are basically required to be replaced; however, if the replacement affects quality, safety, delivery term, cost, and so on, special adoption may be studied under the condition that the adoption may not infringe relevant legal regulations and JDI’s clients’ prohibited substance criteria.

Certification of non-use of environment-related substances – 4/19

[Filling-in procedure of Certification top page(3)(4)(5)]



ATT: Japan Display Inc. Date: YYYY/MM/DD

Certification of non-use of environment-related substances

Company name:
Division name:
Position:
Person in charge:
Signature (or Seal)
TEL:
E-Mail:

We hereby certify that the delivered products/components specified below according to Japan Display Inc.'s (JDI's) Green Procurement Guidelines are as follows:

1. ☐ in an amount NOT exceeding the chemical content limit specified.
2. ☐ in an amount exceeding the chemical content limit specified, however it is expressly admitted by JDI.

The constitution of the delivered products/components are shown in the annex "Component List" attached.
The content of the prohibited or controlled substances is shown in the annex "Substance Survey Form" attached.
We submit separately the JAPIA Sheet, Analysis Reports and SDS(MSDS) required by the JDI Green Procurement Guidelines as evidence.

1) Products/components delivered by us

General name in industry: Model name:
JDI Code: Manufacturer name:
Manufacturing site:

(3)

2) Please fill in the annex "Component List" attached.

4) Is any halogen (chlorine or bromine)/antimony/arsenic compound used in the product/component?
i) Halogen compound(s) ☐ Yes ☐ No * Includes all chlorine and bromine compounds such as chlorinated or brominated flame retardants and PVC. "Yes" for more than 900 ppm chlorine and bromine, or 1500 ppm total halogen in a homogeneous material.
ii) Antimony compound(s) ☐ Yes ☐ No * Includes antimony and antimony compounds. "Yes" for more than 700 ppm in a homogeneous material.
iii) Arsenic compound(s) ☐ Yes ☐ No * Includes arsenic and arsenic compounds. "Yes" for contained by intentionally added.
–> If YES for any of i), ii) and iii) above-mentioned, does the compound(s) satisfy the JDI requirements? ☐ Yes ☐ No Requirements are not currently fixed.

(4)

5) Is any brominated flame retardant (BFR) or chlorinated flame retardant (CFR) used in the product/component? ☐ Yes ☐ No

(5)

6) Is any coated wire or recycled resin used in the product/component? ☐ Yes ☐ No

If yes, specify the component, material, and material manufacturer.
Component name: Material name: Material manufacturer:

7) Is any material applied to the exemption in the European RoHS directive used in the product/component? ☐ Yes ☐ No

If yes, please specify the component, model and exemption. Please use the annex "Exemption List" for extra space if needed.
Component 1: Model: Exemption:
Component 2: Model: Exemption:

8) Regarding "packaging materials for delivery (")" of delivered products/components, are they used "Phthalates prohibited in the European RoHS Directive"?
* Packaging materials for delivery include trays/reels/bags to put materials in, protective films to be pasted to materials, containers (including lids)/syringes of liquid materials, etc.
☐ Yes ☐ No

Substances prohibited by JDI — See for details the "Standard for prohibited and controlled substances" in the Green Procurement Guidelines.

No.	Substance	No.	Substance	No.	Substance
1	Lead and lead compounds	16	Perfluorooctane sulfonic acid (PFOS) and its salts	35	Beryllium and beryllium compounds
2	Mercury and mercury compounds	17	Perfluorooctanoic acid (PFOA) and its salts and related substances	36	Bisphenol A
3	Cadmium and cadmium compounds	18	Dimethyl fumarate (DMF)	37	Natural rubber
4	Hexavalent chromium and its compounds	19	Ozone-depleting substances	38	4-Isopropylaminodiphenylamine
5	Polybrominated biphenyls (PBBs)	20	Fluorine-containing greenhouse gases (PFCs, HFCs, SF6)	39	Nonylphenol (NP) and nonylphenol ethoxylates (NPE)
6	Polybrominated diphenyl ethers (PBDEs)	21	Barium (for toys in skin contact)		
7	Polychlorinated naphthalenes (PCNs)	22	Chromium (for toys in skin contact)	40	Tris(2-chloroethyl) phosphate (TCEP)
	Polychlorinated biphenyls (PCBs)	23	Selenium (for toys in skin contact)	41	Perchlorates
	Polychlorinated terphenyls (PCTs)	24	Polycyclic aromatic hydrocarbons (PAHs)	42	EU REACH ANNEX XIV
	Halogenated diphenylmethanes		(in skin contact)	43	EU REACH ANNEX XVII
8	Asbestos	25	Chemical Substances Control Law (Class 1 designated substances)	44	Specific LOPHCAs
9	Trisubstituted organotin compounds Incl. TBTO	26	Radioactive substances	45	5 PBT Substances
	Dibutyltin compounds (DBTs)	27	Formaldehyde	46	PFHxS and its salts and PFHxS-related substances
	Dioctyltin compounds (DOTs)	28	Benzenamine,N-Phenyl-, Reaction Products with Styrene and 2,4,4- Trimethylpentene (BNST)	47	Dechlorane Plus
10	Short-chain chlorinated paraffins (SCCP)			48	List of the First 10 Chemical Substances Undergoing TSCA's Risk Evaluation
	Medium-chain chlorinated paraffins (MCCP)	29	Phenol, 4-methyl-	49	n-Hexane
11	Azo pigments and azo dyes	30	Halogen (chlorine or bromine)-based compounds	50	8-14C perfluorocarboxylic acid (C8-C14 PFCAs) and their salts and C8-C14 PFCA-related substances
12	Phthalates	31	Polyvinyl chloride (PVC) and its compounds	51	Decabromodiphenylethane (DBDPE)
13	Benzene (for toys)	32	Tetrabromobisphenol-A (TBBP-A)	52	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
14	Nickel and its compounds (in skin contact)	33	Antimony and antimony compounds		
15	Cobalt chloride	34	Arsenic and arsenic compounds	53	Prohibited substances in the GADSL

Comments: Please enter any notifications to JDI.

Ver. 10.00 April 1, 2022

(3) <Space for filling in basic information on procured items>

Fill in the following information on procured item to be guaranteed.

Product name (general name) : general name of procured item
(e.g.: back light, FPC (flexible printed circuit board), driver IC, polarizing plate, liquid crystal, etc.)
JDI code : JDI item code (9 digits) specified by JDI
Model name : Supplier's type name and model number
Manufacturer name : Company name which manufacturers
Manufacturing site : Manufacturer's plant name where the items are made

(4) <Space for checking use of environmentally concerned substances>

Answer about use of halogens (chlorine, bromine) based compounds / antimony compounds / arsenic compounds.
If using them, check if they satisfy the specifications required by JDI.

* All chlorine compounds and bromine compounds, including chlorine- and bromine-based flame retardants and PVC, fall under this definition, and if a homogeneous material includes more than 900 ppm chlorine or bromine or more than 1500 ppm chlorine and bromine in total, the condition is defined as "Contained."
* In the case of antimony or antimony compounds, if a homogeneous material includes more than 700 ppm, the condition is defined as "Contained."
* In the case of arsenic or arsenic compounds, contained by intentionally added is defined as "Contained."

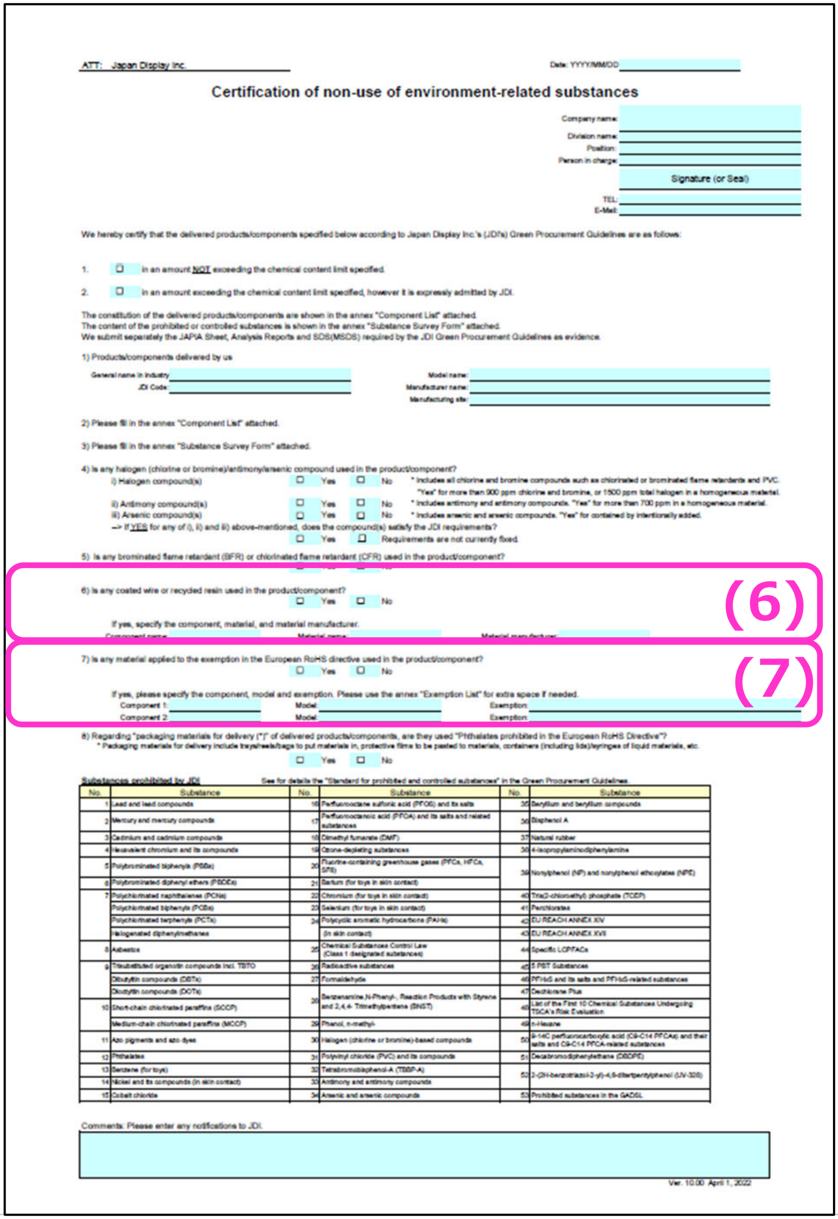
These substances are not legally prohibited but are voluntarily prohibited by JDI as concerned substances affecting the human body and the environment, and some of JDI's clients specify them as prohibited substances.
If alternative materials are not available due to various reasons such as quality matters and feature improvement, JDI will check whether or not the original material infringes the clients criteria and, if not, the original material will be specified for use in the specifications and/or drawings.

(5) <Space for checking use of BFR or CFR>

Answer about use of brominated flame retardant (BFR) or chlorinated flame retardant (CFR).

Certification of non-use of environment-related substances – 5/19

[Filling-in procedure of Certification top page(6)(7)]



(6)

<Space for checking whether or not *coated wire or recycled resin* is used>

Answer about use of *coated wire* or *recycled resin*.

If using, fill the component names, material names, and information about raw material manufacturers.

** "Recycled resin" refers here to resin materials consisting of post-consumer and pre-consumer materials.*
Post-consumer materials mean materials or products disposed of after being used as products.
Pre-consumer materials mean materials discarded or products rejected in the production line, excluding those recycled as raw materials in the same line.

The background of this question is that coated wire and recycled resin were once applied with prohibited substances specified by European RoHS Directive, and some specific clients require employment of materials supplied by raw material manufacturers approved by the clients when intending to use these kinds of components.

(7)

<Space for checking ***Exemptions in the European RoHS Directive*** >

Answer whether or not the application of the materials falls under the exemption.

If falling under the exemption, fill in the product name, type name, and exemption code.

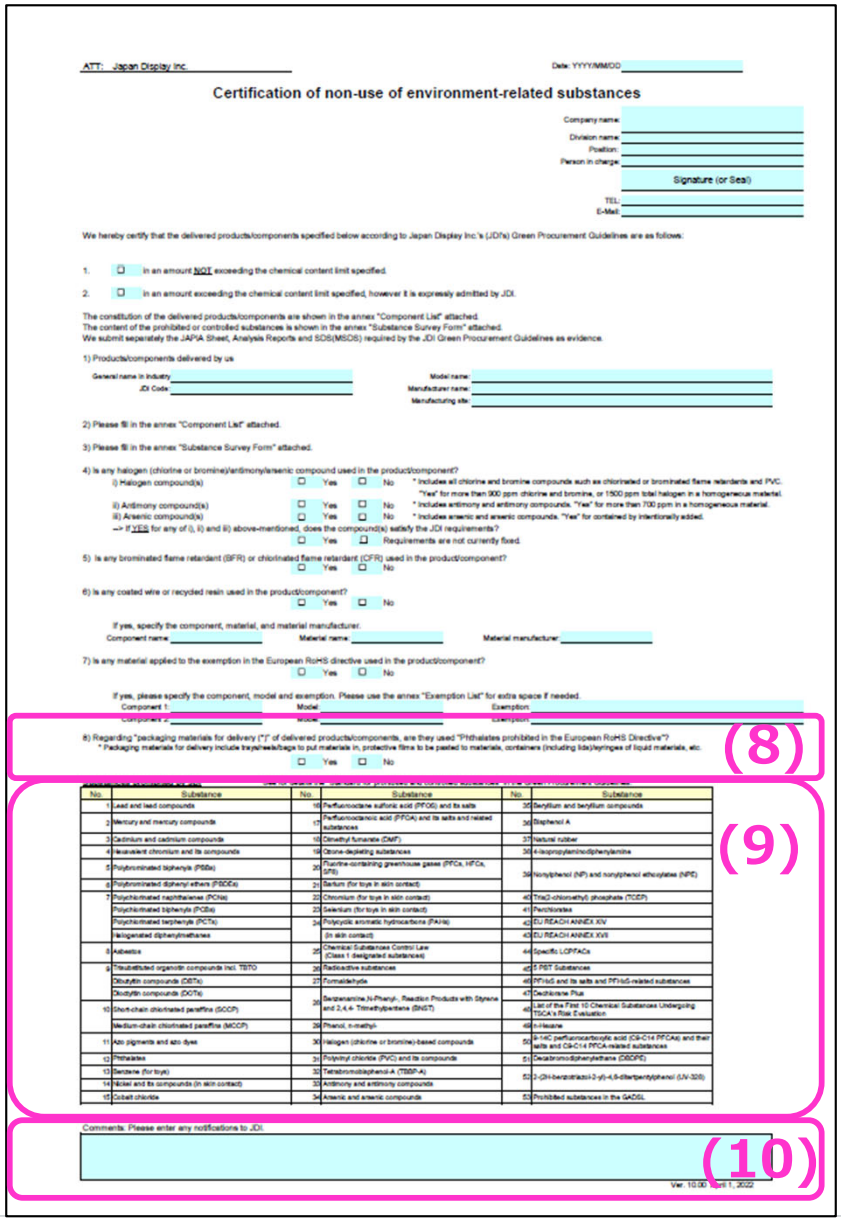
*** The exemption code is to be chosen on the pull-down menu referring to the "*Exemptions in the European RoHS Directive*" attached to the certification form.**

*** If the quantity of subject components is not less than three, fill in the "Separate application exempted substances list."**

Legal regulations have termination clauses of application exemption, and for compliance, JDI sets its own termination dates before the legal termination dates. JDI requires employment of alternative components for those falling under the termination clauses.

Certification of non-use of environment-related substances – 6/19

[Filling-in procedure of Certification top page(8)(9)(10)]



ATT: Japan Display Inc. Date: YYYY/MM/DD

Certification of non-use of environment-related substances

Company name:
Division name:
Position:
Person in charge:
Signature (or Seal)
TEL:
E-Mail:

We hereby certify that the delivered products/components specified below according to Japan Display Inc.'s (JDI's) Green Procurement Guidelines are as follows:

1. ☐ in an amount NOT exceeding the chemical content limit specified.
2. ☐ in an amount exceeding the chemical content limit specified, however it is expressly admitted by JDI.

The constitution of the delivered products/components are shown in the annex "Component List" attached.
The content of the prohibited or controlled substances is shown in the annex "Substance Survey Form" attached.
We submit separately the JAPIA Sheet, Analysis Reports and SDS(MSDS) required by the JDI Green Procurement Guidelines as evidence.

1) Products/components delivered by us
General name in industry:
JDI Code:
Model name:
Manufacturer name:
Manufacturing site:

2) Please fill in the annex "Component List" attached.

3) Please fill in the annex "Substance Survey Form" attached.

4) Is any halogen (chlorine or bromine)/antimony/arsenic compound used in the product/component?
i) Halogen compound(s) ☐ Yes ☐ No * Includes all chlorine and bromine compounds such as chlorinated or brominated flame retardants and PVC. "Yes" for more than 900 ppm chlorine and bromine, or 1500 ppm total halogen in a homogeneous material.
ii) Antimony compound(s) ☐ Yes ☐ No * Includes antimony and antimony compounds. "Yes" for more than 700 ppm in a homogeneous material.
iii) Arsenic compound(s) ☐ Yes ☐ No * Includes arsenic and arsenic compounds. "Yes" for contained by intentionally added.
–> If YES for any of i), ii) and iii) above-mentioned, does the compound(s) satisfy the JDI requirements?
☐ Yes ☐ Requirements are not currently fixed.

5) Is any brominated flame retardant (BFR) or chlorinated flame retardant (CFR) used in the product/component?
☐ Yes ☐ No

6) Is any coated wire or recycled resin used in the product/component?
☐ Yes ☐ No

If yes, specify the component, material, and material manufacturer.
Component name: Material name: Material manufacturer:

7) Is any material applied to the exemption in the European RoHS directive used in the product/component?
☐ Yes ☐ No

If yes, please specify the component, model and exemption. Please use the annex "Exemption List" for extra space if needed.
Component 1: Model: Exemption:
Component 2: Model: Exemption:

8) Regarding "packaging materials for delivery (*)" of delivered products/components, are they used "Phthalates prohibited in the European RoHS Directive"?
* Packaging materials for delivery include trays/reels/bags to put materials in, protective films to be pasted to materials, containers (including lids)/syringes of liquid materials, etc.
☐ Yes ☐ No

(8)

No.	Substance	No.	Substance	No.	Substance
1	Lead and lead compounds	16	Perfluorooctane sulfonic acid (PFOS) and its salts	35	Beryllium and beryllium compounds
2	Mercury and mercury compounds	17	Perfluorooctanoic acid (PFOA) and its salts and related substances	36	Diphenol A
3	Cadmium and cadmium compounds	18	Dimethyl fumarate (DMF)	37	Natural rubber
4	Hexavalent chromium and its compounds	19	Ozone-depleting substances	38	4-Isopropylaminodiphenylamine
5	Polybrominated biphenyls (PBBs)	20	Fluorine-containing greenhouse gases (PFCs, HFCs, SF6)	39	Nonylphenol (NP) and nonylphenol ethoxylates (NPE)
6	Polybrominated diphenyl ethers (PBDEs)	21	Barium (for toys in skin contact)		
7	Polychlorinated naphthalenes (PCNs)	22	Chromium (for toys in skin contact)	40	Tris(2-chloroethyl) phosphate (TCEP)
	Polychlorinated biphenyls (PCBs)	23	Selenium (for toys in skin contact)	41	Perchloroles
	Polychlorinated terphenyls (PCTs)	24	Polycyclic aromatic hydrocarbons (PAHs)	42	EU REACH ANNEX XIV
	Halogenated diphenylmethanes		(in skin contact)	43	EU REACH ANNEX XVII
8	Asbestos	25	Chemical Substances Control Law (Class 1 designated substances)	44	Specific LCPFACs
9	Trisubstituted organotin compounds incl. TBTO	26	Radioactive substances	45	C-PBT Substances
	Dibutyltin compounds (DBTs)	27	Formaldehyde	46	PFHxS and its salts and PFHxS-related substances
	Dioctyltin compounds (DOTs)	28	Benzenamine,N-Phenyl-, Reaction Products with Styrene and 2,4,4- Trimethylpentene (BNST)	47	Dechlorane Plus
10	Short-chain chlorinated paraffins (SCCP)			48	List of the First 10 Chemical Substances Undergoing TSCA's Risk Evaluation
	Medium-chain chlorinated paraffins (MCCP)	29	Phenol, 4-methyl-	49	n-Hexane
11	Azo pigments and azo dyes	30	Halogen (chlorine or bromine)-based compounds	50	9-14C perfluorocarboxylic acid (C9-C14 PFCAs) and their salts and C9-C14 PFCA-related substances
12	Phthalates	31	Polyvinyl chloride (PVC) and its compounds	51	Decabromodiphenylethane (DBDPE)
13	Benzene (for toys)	32	Tetrabromobisphenol-A (TBBP-A)	52	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)
14	Nickel and its compounds (in skin contact)	33	Antimony and antimony compounds		
15	Cobalt chloride	34	Arsenic and arsenic compounds	53	Prohibited substances in the GADSL

(9)

Comments: Please enter any notifications to JDI

(10)

Ver. 10.00 April 1, 2022

(8)

< Regarding "packaging materials for delivery" of delivered products/components>
Please choose whichever is appropriate regarding the use of phthalates in the European RoHS Directive for "packaging materials for delivery" used by suppliers when delivering products/components to the JDI group.

* Packaging materials for delivery include trays/reels/bags to put materials in, protective films to be pasted to materials, containers (including lids)/syringes of liquid materials, etc.

(9)

<JDI's prohibited substance list>
This is a list of substances prohibited by JDI.
(For reference purpose only, and suppliers are not required to fill in.)

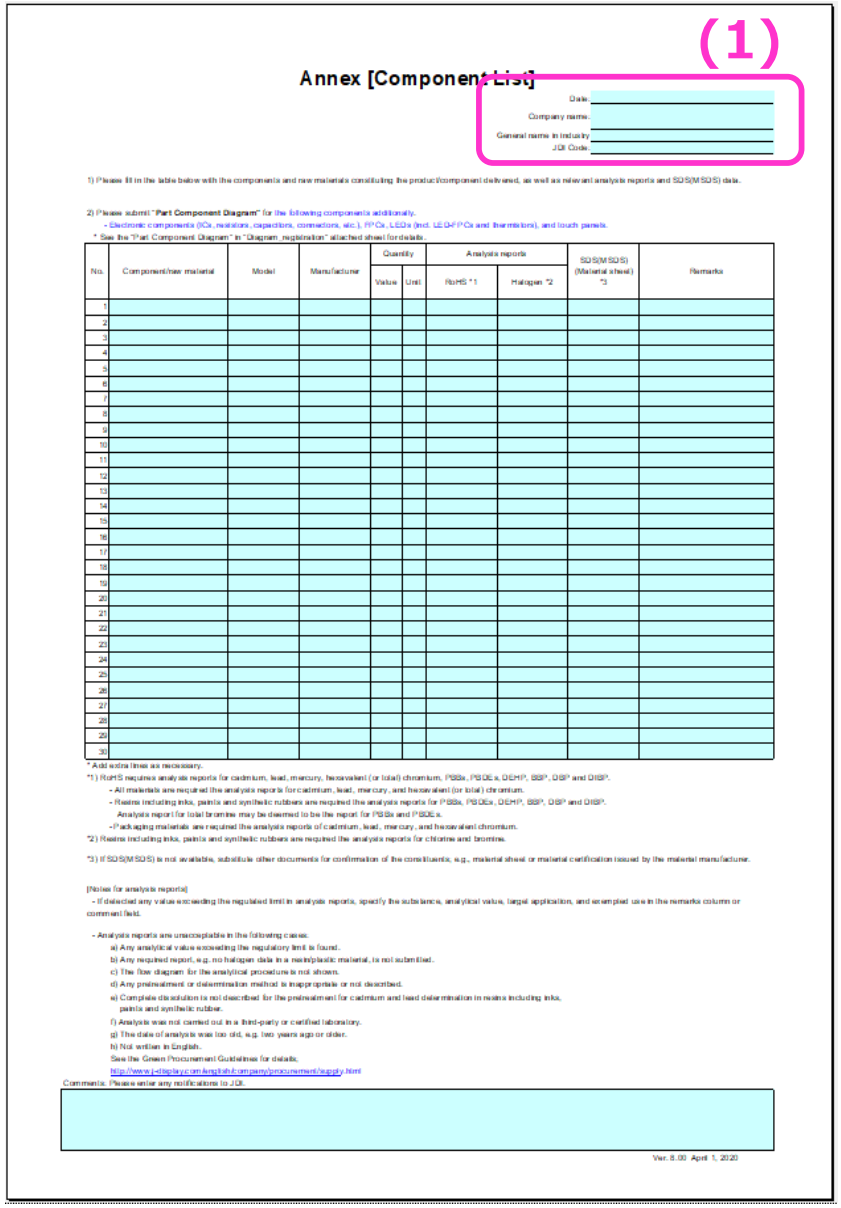
Refer to the "Table1: Standard of Prohibited and Controlled Substances in Product" in the Green Procurement Guideline for the regulated limits and other details.

(10)

<Space for comment>
Use this space for communication to JDI.

Certification of non-use of environment-related substances – 7/19

[Fill-in procedure of Annex [Component List] (1)]



(1)

Annex [Component List]

Date
Company name
General name in industry
JDI Code

1) Please fill in the table below with the components and raw materials constituting the product/component delivered, as well as relevant analysis reports and SDS(MSDS) data.

2) Please submit "**Part Component Diagram**" for the following components additionally.
- Electronic components (ICs, resistors, capacitors, connectors, etc.), FPCs, LEDs (incl. LED-FPCs and thermistors), and touch panels.

* See the "Part Component Diagram" in "Diagram_registration" attached sheet for details.

No.	Component/raw material	Model	Manufacturer	Quantity		Analysis reports		SDS(MSDS) (Material sheet) *3	Remarks
				Value	Unit	RoHS *1	Halogen *2		
1									
2									
3									
4									
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* Add extra lines as necessary.

*1) RoHS requires analysis reports for cadmium, lead, mercury, hexavalent (or total) chromium, PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
- All materials are required the analysis reports for cadmium, lead, mercury, and hexavalent (or total) chromium.
- Resins including inks, paints and synthetic rubbers are required the analysis reports for PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
Analysis report for total bromine may be deemed to be the report for PBBs and PBDEs.
- Packaging materials are required the analysis reports of cadmium, lead, mercury, and hexavalent chromium.

*2) Resins including inks, paints and synthetic rubbers are required the analysis reports for chlorine and bromine.

*3) If SDS(MSDS) is not available, substitute other documents for confirmation of the constituents, e.g., material sheet or material certification issued by the material manufacturer.

[Notes for analysis reports]
- If detected any value exceeding the regulated limit in analysis reports, specify the substances, analytical value, target application, and exempted use in the remarks column or comment field.

- Analysis reports are unacceptable in the following cases:
a) Any analytical value exceeding the regulatory limit is found.
b) Any required report, e.g. no halogen data in a resin/plastic material, is not submitted.
c) The flow diagram for the analytical procedure is not shown.
d) Any pretreatment or determination method is inappropriate or not described.
e) Complete dissolution is not described for the pretreatment for cadmium and lead determination in resins including inks, paints and synthetic rubber.
f) Analysis was not carried out in a third-party or certified laboratory.
g) The date of analysis was too old, e.g. two years ago or older.
h) Not written in English.
See the Green Procurement Guidelines for details;
http://www.j-displays.com/english/company/procurement/supply.html

Comments: Please enter any notifications to JDI.

Ver. 8.00 April 1, 2020

(1) * It is systematized so that the data entered in the top page of the Certification are reflected in this page as default.

<Space for entering supplier's basic data>

Date :Issued date

Company name :Supplier's company name

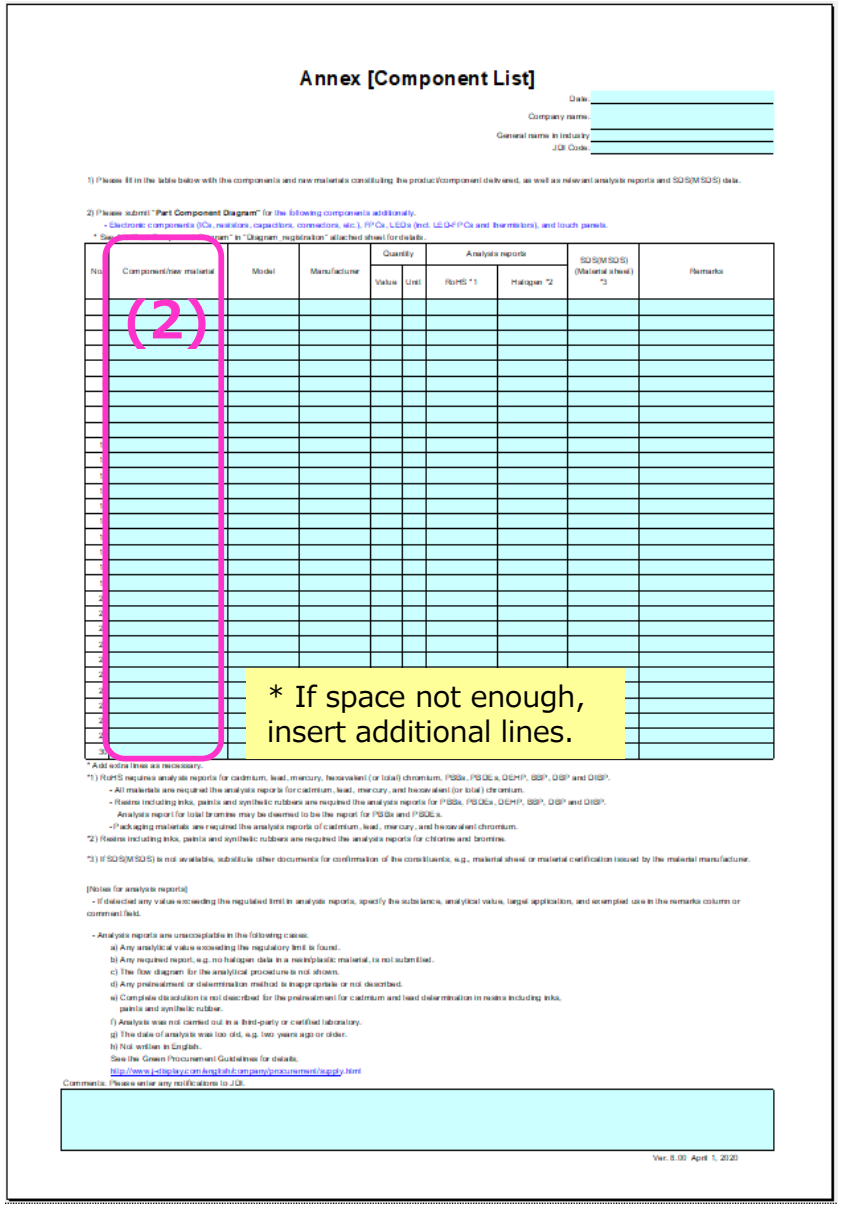
* To be filled by the primary supplier to JDI.

Product name (in general) : General name of procured item

JDI code : JDI item code (9 digits) specified by JDI

Certification of non-use of environment-related substances – 8/19

[Fill-in procedure of Annex [Component List] (2)]



Annex [Component List]

Date:
Company name:
General name in industry:
JDI Code:

1) Please fill in the table below with the components and raw materials constituting the product/component delivered, as well as relevant analysis reports and SDS(MSDS) data.

2) Please submit "**Part Component Diagram**" for the following components additionally.
- Electronic components (ICs, resistors, capacitors, connectors, etc.), FPCs, LEDs (incl. LED-FPCs and thermistors), and touch panels.

* See "Diagram_registration" attached sheet for details.

No.	Component/raw material	Model	Manufacturer	Quantity		Analysis reports		SDS(MSDS) (Material sheet) *3	Remarks
				Value	Unit	RoHS *1	Halogen *2		
1									
2									
3									

(2)

* If space not enough, insert additional lines.

* Add extra lines as necessary.

*1) RoHS requires analysis reports for cadmium, lead, mercury, hexavalent (or total) chromium, PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
- All materials are required the analysis reports for cadmium, lead, mercury, and hexavalent (or total) chromium.
- Resins including inks, paints and synthetic rubbers are required the analysis reports for PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
Analysis report for total bromine may be deemed to be the report for PBBs and PBDEs.
- Packaging materials are required the analysis reports of cadmium, lead, mercury, and hexavalent chromium.

*2) Resins including inks, paints and synthetic rubbers are required the analysis reports for chlorine and bromine.

*3) If SDS(MSDS) is not available, substitute other documents for confirmation of the constituents, e.g., material sheet or material certification issued by the material manufacturer.

[Notes for analysis reports]
- If detected any value exceeding the regulated limit in analysis reports, specify the substance, analytical value, target application, and exempted use in the remarks column or comment field.

- Analysis reports are unacceptable in the following cases:
a) Any analytical value exceeding the regulatory limit is found.
b) Any required report, e.g. no halogen data in a resin/plastic material, is not submitted.
c) The flow diagram for the analytical procedure is not shown.
d) Any pretreatment or determination method is inappropriate or not described.
e) Complete dissolution is not described for the pretreatment for cadmium and lead determination in resins including inks, paints and synthetic rubber.
f) Analysis was not carried out in a third-party or certified laboratory.
g) The date of analysis was too old, e.g. two years ago or older.
h) Not written in English.
See the Green Procurement Guidelines for details;
http://www.j-display.com/english/company/procurement/supply.html

Comments: Please enter any notifications to JDI.

Ver. 8.00 April 1, 2020

(2)

<Component List: Constituent components, raw materials>

As for the procured item, fill the table with the constitution information broken down to raw material of the component

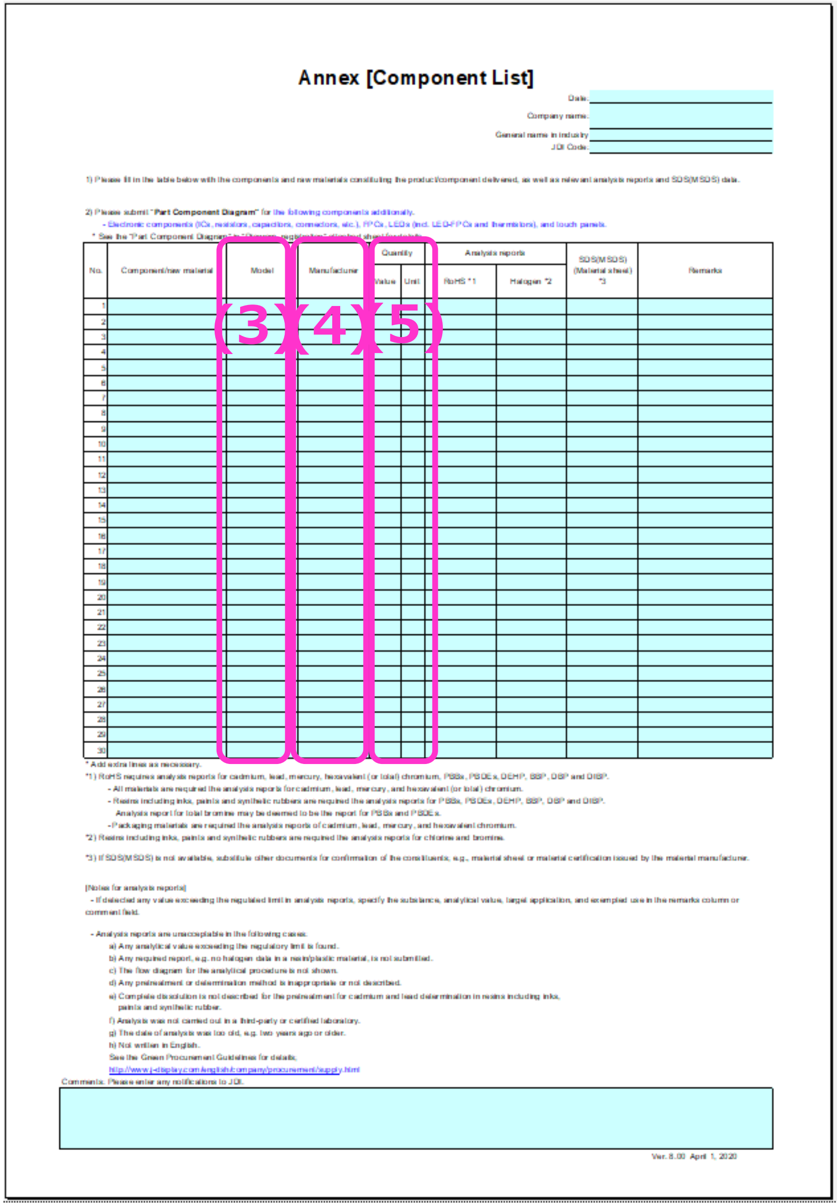
Filling example of component list down to raw materials

Back light unit	Flexible print circuit (FPC)	Tapes	Polarizing plate	Driver IC
Frame	Gold plating	Tape base	Separator	Die
Light guide plate	Nickel plating	Adhesive	Adhesive	Gold bump
Reflecting sheet	Cover film		Base 1	
Reflecting sheet adhesive tape	Cover adhesive		Base 2	
Diffusion sheet	Conductor		Polarizer	
Prism sheet, lower	Base film		Surface treatment	
Prism sheet , upper	Reinforcing film		Protective film base	
Blackout double-sided tape	Reinforcing film adhesive			
Double-sided tape A				
Spacer				
Spacer adhesive tape				
FPC-base				
FPC-cover lay				
FPC-through hole surface plating				
FPC-ink				
White LED-LED die				
White LED-lead frame (base)				
White LED-lead frame (silver plating)				
White LED-package				
White LED-die bond resin				
White LED-wire				
White LED-mold resin				
White LED-fluorescent substance				
White LED-mold material				
Lead-free solder				

If the structure includes sub-components, listing is to be completed so that the complete structure is made clear down to the raw material level in such a way as follows:
“sub-component name – raw material name”
“sub-component name 1 – sub-component name 2 - - - - – raw material name”

Certification of non-use of environment-related substances – 9/19

[Fill-in procedure of Annex [Component List] (3)(4)(5)]



(3)

<Component List: To enter model number>

Enter the model number of each manufacturer's constituting component or raw material.
If the model numbers are not available, enter the mark "–".
If internal use only, enter "Confidential."

(4)

<Component List: To enter manufacturer's name>

Enter the name of manufacturer of each component or raw material.
If internal use only, enter "Confidential."

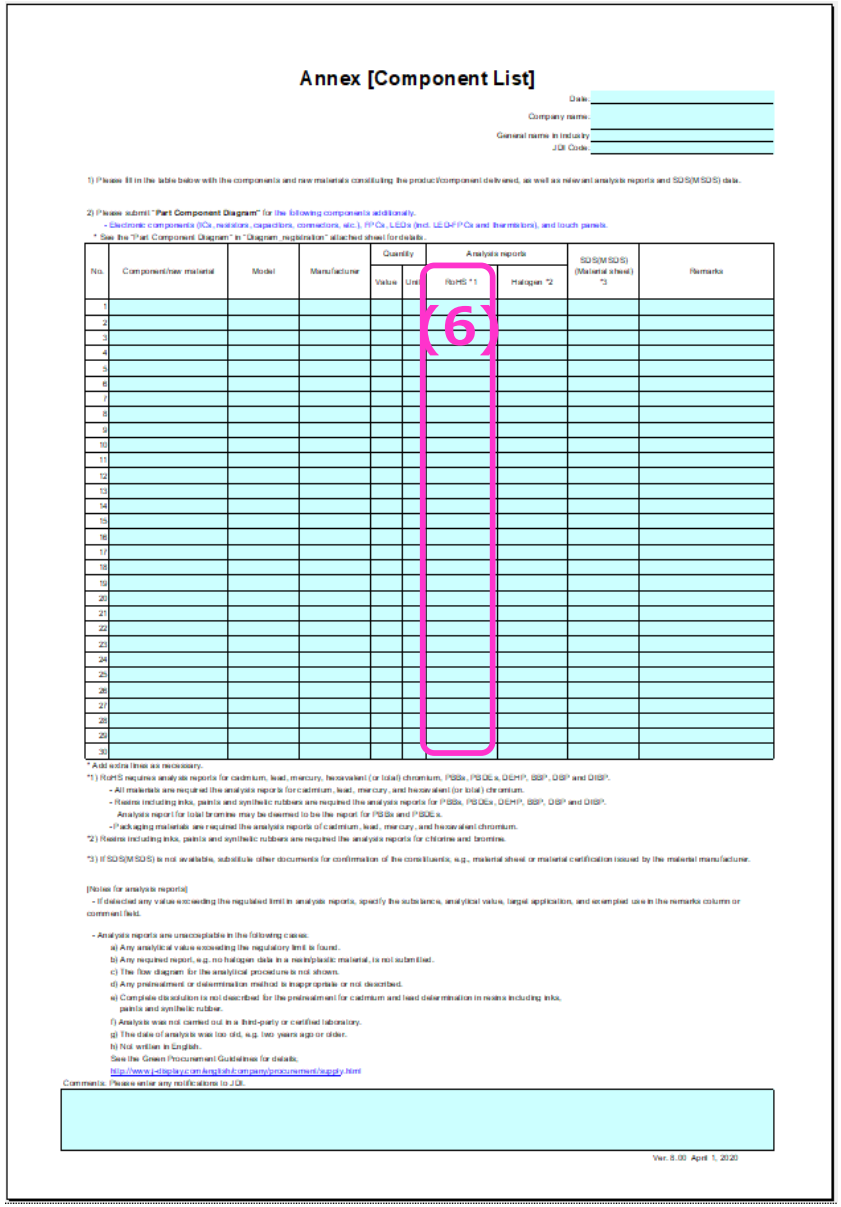
(5)

<Component List: To enter quantity>

Enter the quantitative data of each component or raw material.
(The unit for countable components and materials is to be selected with "P.")
(For the uncountable materials such as solder, the unit is to be in "mg" or "g" and the weight per piece of the procured item is to be entered.)

Certification of non-use of environment-related substances – 10/19

[Fill-in procedure of Annex [Component List] (6)]



Annex [Component List]

Date:
Company name:
General name in industry:
JDI Code:

1) Please fill in the table below with the components and raw materials constituting the product/component delivered, as well as relevant analysis reports and SDS(MSDS) data.

2) Please submit "**Part Component Diagram**" for the following components additionally.
- Electronic components (ICs, resistors, capacitors, connectors, etc.), FPCs, LEDs (incl. LED-FPCs and thermistors), and touch panels.

* See the "Part Component Diagram" in "Diagram_registration" attached sheet for details.

No.	Component/raw material	Model	Manufacturer	Quantity		Analysis reports		SDS(MSDS) (Material sheet) *3	Remarks
				Value	Unit	RoHS *1	Halogen *2		
1						(6)			
2									
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* Add extra lines as necessary.

*1) RoHS requires analysis reports for cadmium, lead, mercury, hexavalent (or total) chromium, PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
- All materials are required the analysis reports for cadmium, lead, mercury, and hexavalent (or total) chromium.
- Resins including inks, paints and synthetic rubbers are required the analysis reports for PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
Analysis report for total bromine may be deemed to be the report for PBBs and PBDEs.
- Packaging materials are required the analysis reports of cadmium, lead, mercury, and hexavalent chromium.

*2) Resins including inks, paints and synthetic rubbers are required the analysis reports for chlorine and bromine.

*3) If SDS(MSDS) is not available, substitute other documents for confirmation of the constituents, e.g., material sheet or material certification issued by the material manufacturer.

[Notes for analysis reports]
- If detected any value exceeding the regulated limit in analysis reports, specify the substances, analytical value, target application, and exempted use in the remarks column or comment field.

- Analysis reports are unacceptable in the following cases:
a) Any analytical value exceeding the regulatory limit is found.
b) Any required report, e.g. no halogen data in a resin/plastic material, is not submitted.
c) The flow diagram for the analytical procedure is not shown.
d) Any preinvestment or determination method is inappropriate or not described.
e) Complete dissolution is not described for the preinvestment for cadmium and lead determination in resins including inks, paints and synthetic rubber.
f) Analysis was not carried out in a third-party or certified laboratory.
g) The date of analysis was too old, e.g. two years ago or older.
h) Not written in English.
See the Green Procurement Guidelines for details;
http://www.j-display.com/english/company/procurement/supply.html

Comments: Please enter any notifications to JDI.

Ver. 8.00 April 1, 2020

(6)

<Component List: To check existence of analytical reports(RoHS)>
Enter existence information of the analytical reports by a third party on the prohibited substances (cadmium / lead / mercury / hexavalent chromium (total chromium) / PBBs / PBDEs / DEHP / BBP / DBP / DIBP) specified by European RoHS Directive of each constituting component and raw material.

Select appropriate one on the pull-down menu:
If contained: O
If not contained: X
In the case of supplied components: Provided by JDI

* The substances cadmium / lead / mercury / hexavalent chromium (total chromium) are mandatory for all materials including packaging materials.
In the case of X, obtain from the component or raw material manufacturer, or conduct measurement.

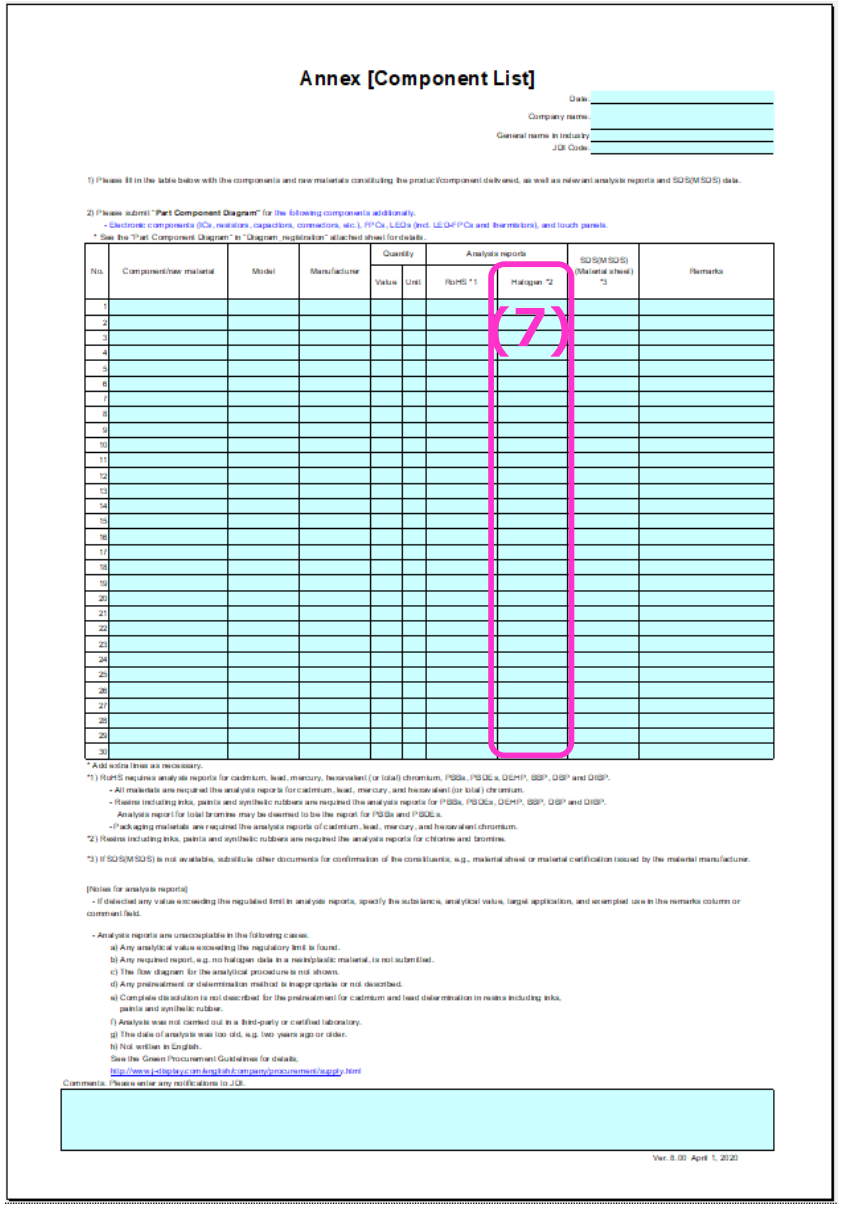
* For PBBs / PBDEs / DEHP / BBP / DBP / DIBP, the resin materials (including ink, paint, and synthetic rubber) are mandatory. It is voluntary for packaging materials.
(The analysis results of total bromine may be alternatively used as the results for PBBs and PBDEs.)

* The analytical reports need not be submitted for components supplied by our Company (Provided by JDI).

Refer to the main material "(iv) – 4. Analytical reports" for details.

Certification of non-use of environment-related substances – 11/19

[Fill-in procedure of Annex [Component List] (7)]



Annex [Component List]

Date:
Company name:
General name in industry:
JDI Code:

1) Please fill in the table below with the components and raw materials constituting the product/component delivered, as well as relevant analysis reports and SDS(MSDS) data.

2) Please submit "**Part Component Diagram**" for the following components additionally.
- Electronic components (ICs, resistors, capacitors, connectors, etc.), FPCs, LEDs (incl. LED-FPCs and thermistors), and touch panels.

* See the "Part Component Diagram" in "Diagram_registration" attached sheet for details.

No.	Component/raw material	Model	Manufacturer	Quantity		Analysis reports		SDS(MSDS) (Material sheet) *3	Remarks
				Value	Unit	RoHS *1	Halogen *2		
1									
2									
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(7)

* Add extra lines as necessary.

*1) RoHS requires analysis reports for cadmium, lead, mercury, hexavalent (or total) chromium, PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
- All materials are required the analysis reports for cadmium, lead, mercury, and hexavalent (or total) chromium.
- Resins including inks, paints and synthetic rubbers are required the analysis reports for PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
- Analysis report for total bromine may be deemed to be the report for PBBs and PBDEs.
- Packaging materials are required the analysis reports of cadmium, lead, mercury, and hexavalent chromium.

*2) Resins including inks, paints and synthetic rubbers are required the analysis reports for chlorine and bromine.

*3) If SDS(MSDS) is not available, substitute other documents for confirmation of the constituents, e.g., material sheet or material certification issued by the material manufacturer.

[Notes for analysis reports]
- If detected any value exceeding the regulated limit in analysis reports, specify the substance, analytical value, target application, and exempted use in the remarks column or comment field.
- Analysis reports are unacceptable in the following cases:
  a) Any analytical value exceeding the regulatory limit is found.
  b) Any required report, e.g. no halogen data in a resin/plastic material, is not submitted.
  c) The flow diagram for the analytical procedure is not shown.
  d) Any pretreatment or determination method is inappropriate or not described.
  e) Complete dissolution is not described for the pretreatment for cadmium and lead determination in resins including inks, paints and synthetic rubber.
  f) Analysis was not carried out in a third-party or certified laboratory.
  g) The date of analysis was too old, e.g. two years ago or older.
  h) Not written in English.
  See the Green Procurement Guidelines for details;
  http://www.j-displays.com/english/company/procurement/supply.html

Comments: Please enter any notifications to JDI.

Ver. 8.00 April 1, 2020

(7)

<Component List: To check existence of analytical reports (halogen)>
Enter existence information form the analytical reports by a third party on halogen (chlorine and bromine) of each component and raw material.

Select appropriate one on the pull-down menu:
If contained: O
If not contained: X
If not applied : – (in the case the components or raw materials are metal, glass, or ceramics)
In the case of supplied components: Provided by JDI

* The halogen analytical reports is mandatory if the component or raw material is resin, but not for metal, glass, or ceramics materials. It is voluntary for packaging materials.

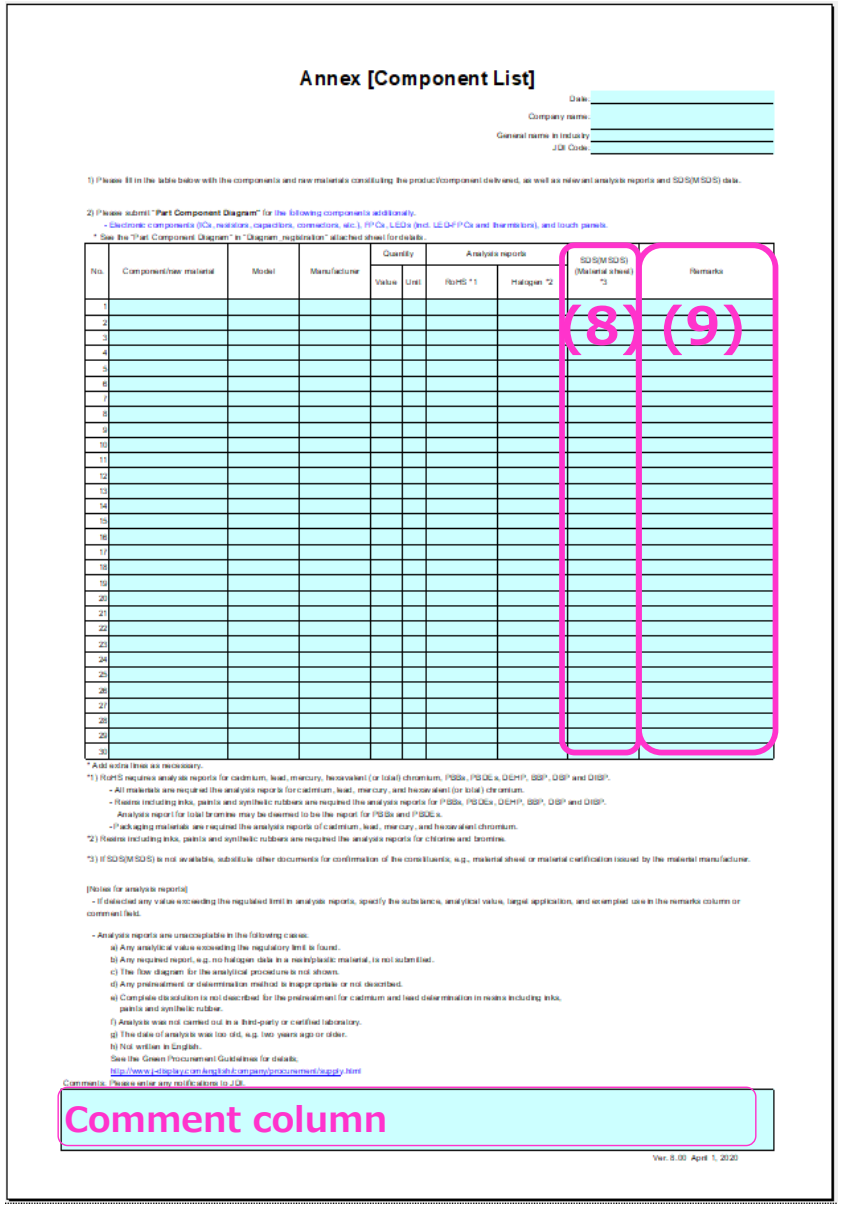
* In the case of X on resin material, obtain from the component and raw material manufacturer, or conduct measurement.

* The analytical reports need not be submitted for components supplied by our Company (Provided by JDI).

Refer to the main material "(iv) – 4. Analytical reports" for details.

Certification of non-use of environment-related substances – 12/19

[Fill-in procedure of Annex [Component List] (8)(9)]



Annex [Component List]

Date:
Company name:
General name in industry:
JDI Code:

1) Please fill in the table below with the components and raw materials constituting the product/component delivered, as well as relevant analysis reports and SDS(MSDS) data.

2) Please submit "**Part Component Diagram**" for the following components additionally.
- Electronic components (ICs, resistors, capacitors, connectors, etc.), FPCs, LEDs (incl. LED-FPCs and thermistors), and touch panels.

* See the "Part Component Diagram" in "Diagram_registration" attached sheet for details.

No.	Component/raw material	Model	Manufacturer	Quantity		Analysis reports		SDS(MSDS) (Material sheet) *3	Remarks
				Value	Unit	RoHS *1	Halogen *2		
1									
2									
3									
4									
5									
6									
7									
8									
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(8) (9)

* Add extra lines as necessary.

*1) RoHS requires analysis reports for cadmium, lead, mercury, hexavalent (or total) chromium, PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
- All materials are required the analysis reports for cadmium, lead, mercury, and hexavalent (or total) chromium.
- Resins including inks, paints and synthetic rubbers are required the analysis reports for PBBs, PBDEs, DEHP, BBP, DBP and DIBP.
Analysis report for total bromine may be deemed to be the report for PBBs and PBDEs.
- Packaging materials are required the analysis reports of cadmium, lead, mercury, and hexavalent chromium.

*2) Resins including inks, paints and synthetic rubbers are required the analysis reports for chlorine and bromine.

*3) If SDS(MSDS) is not available, substitute other documents for confirmation of the constituents, e.g., material sheet or material certification issued by the material manufacturer.

[Notes for analysis reports]
- If detected any value exceeding the regulated limit in analysis reports, specify the substance, analytical value, target application, and exempted use in the remarks column or comment field.

- Analysis reports are unacceptable in the following cases:
a) Any analytical value exceeding the regulatory limit is found.
b) Any required report, e.g. no halogen data in a resin/plastic material, is not submitted.
c) The flow diagram for the analytical procedure is not shown.
d) Any pretreatment or determination method is inappropriate or not described.
e) Complete dissolution is not described for the pretreatment for cadmium and lead determination in resins including inks, paints and synthetic rubber.
f) Analysis was not carried out in a third-party or certified laboratory.
g) The date of analysis was too old, e.g. two years ago or older.
h) Not written in English.
See the Green Procurement Guidelines for details.
http://www.j-display.com/english/company/procurement/supply.html

Comments: Please enter any notifications to JDI.

Comment column

Ver. 8.00 April 1, 2020

(8)

<Component List: to check existence of SDS(MSDS) (material sheet)>
Enter existence information of SDS(MSDS) of each component and raw material. If SDS(MSDS) is not available, the material sheet is acceptable.

Select appropriate one on the pull-down menu:
If contained: O
If not contained: X
In the case of supplied components: Provided by JDI

*In the case of X, obtain from the component and raw material manufacturer.

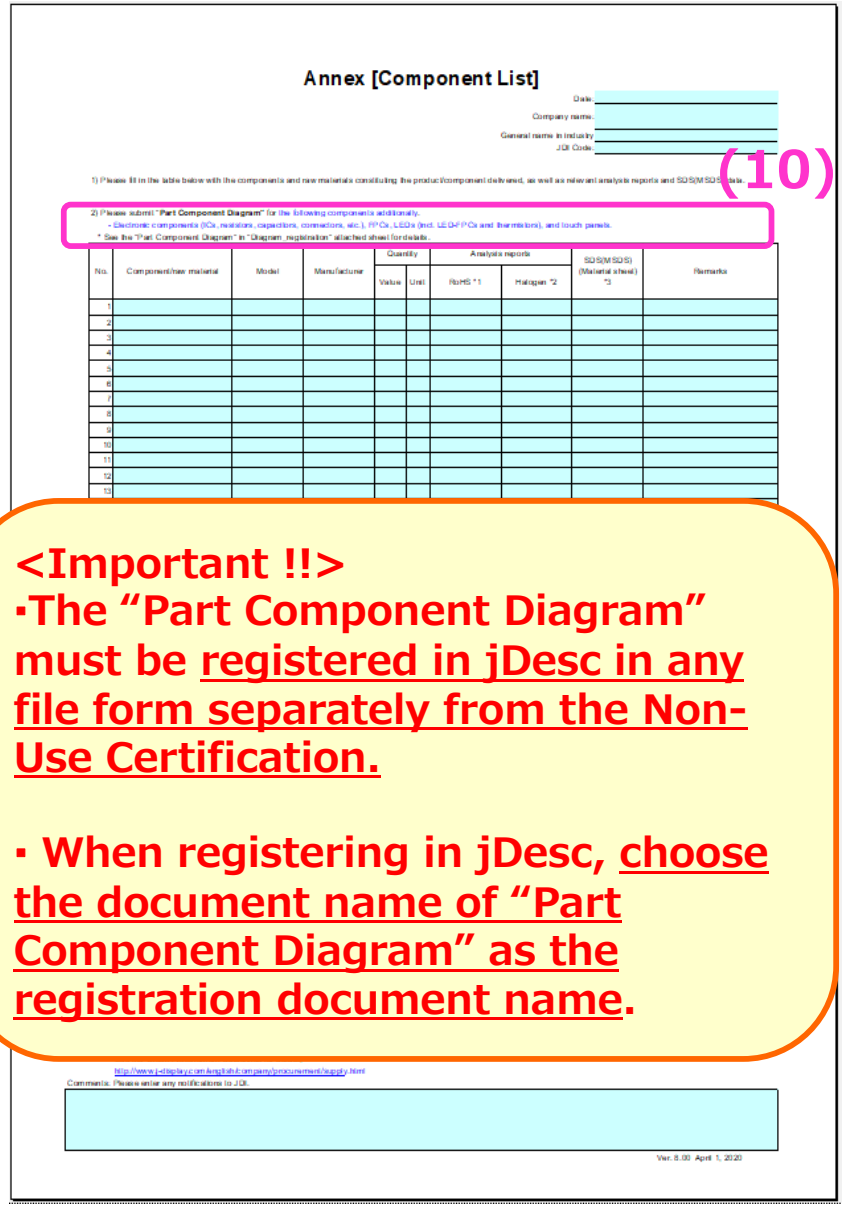
*SDS (MSDS) or material sheet needs not be submitted for components supplied by our Company (Provided by JDI)

(9)

<*Component List*: Filling remarks>
If some data in the analytical reports exceed the regulation limit of JDI's prohibited substance criteria, enter the values and comments stating that the items are exempted ones.
(e.g. "12,000 ppm lead was detected but falling under exemption by RoHS," etc.)
*Use the comment column if the space is not sufficient in the remarks column.

Certification of non-use of environment-related substances – 13/19

[Part Component Diagram]


Annex [Component List]

Date:
Company name:
General name in industry:
JDI Code:

(10)

1) Please fill in the table below with the components and raw materials constituting the product/component delivered, as well as relevant analysis reports and SDS(MSDS) data.

2) Please submit "**Part Component Diagram**" for the following components additionally.
- Electronic components (ICs, resistors, capacitors, connectors, etc.), FPCs, LEDs (incl. LED-FPCs and thermistors), and touch panels.

* See the "Part Component Diagram" in "Diagram_registration" attached sheet for details.

No.	Component/raw material	Model	Manufacturer	Quantity		Analysis reports		SDS(MSDS) (Material sheet) *3	Remarks
				Value	Unit	RoHS *1	Halogen *2		
1									
2									
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http://www.j-display.com/english/company/procurement/supply.html

Comments: Please enter any notifications to JDI.

Ver. 8.00 April 1, 2020

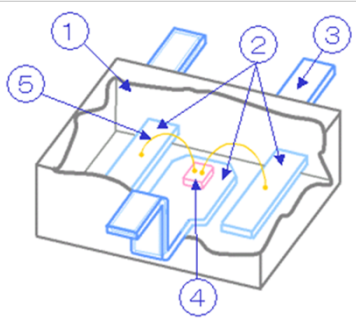
(10)

<Preparation of part component diagram>

Prepare and submit part component diagrams for the following components:

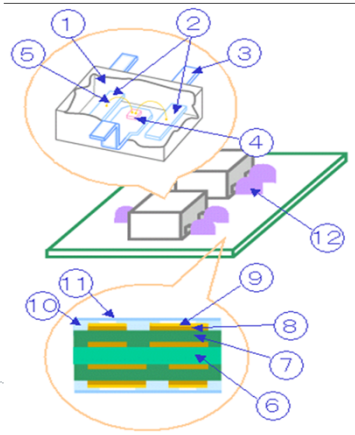
▪Electronic components (IC, resistors, capacitors, connectors, etc.), FPC, LED (including LED-FPC and thermistors), touch panels

Example: transistor



Ref.	Location	Material
1	Mold Resin	Epoxy resin
2	Frame	Nickel
3	Lead Finish	Lead-free solder
4	Pellet	Silicon
5	Bonding Wire	Gold

Example: Electronic substrate (Printed circuit board – PCB)



Ref.	Component	Location	Material
1	Transistor	Mold Resin	Epoxy resin
2		Frame	Nickel
3		Lead Finish	Lead-free solder
4		Pellet	Silicon
5		Bonding Wire	Gold
6	PC board	Base	Epoxy resin
			Copper alloy
7		Prepreg	Epoxy resin
8		Copper foil	Copper alloy
9		Copper plating	Electrocopper plating
10		Solder resist	Epoxy resin
11		Road map (Ink)	Epoxy resin
12	Solder	-	Solder

It is difficult to find relations between names of constitution and raw materials of the components, and therefore the tables are required for correct checking of the included chemical substances in the constituting components.

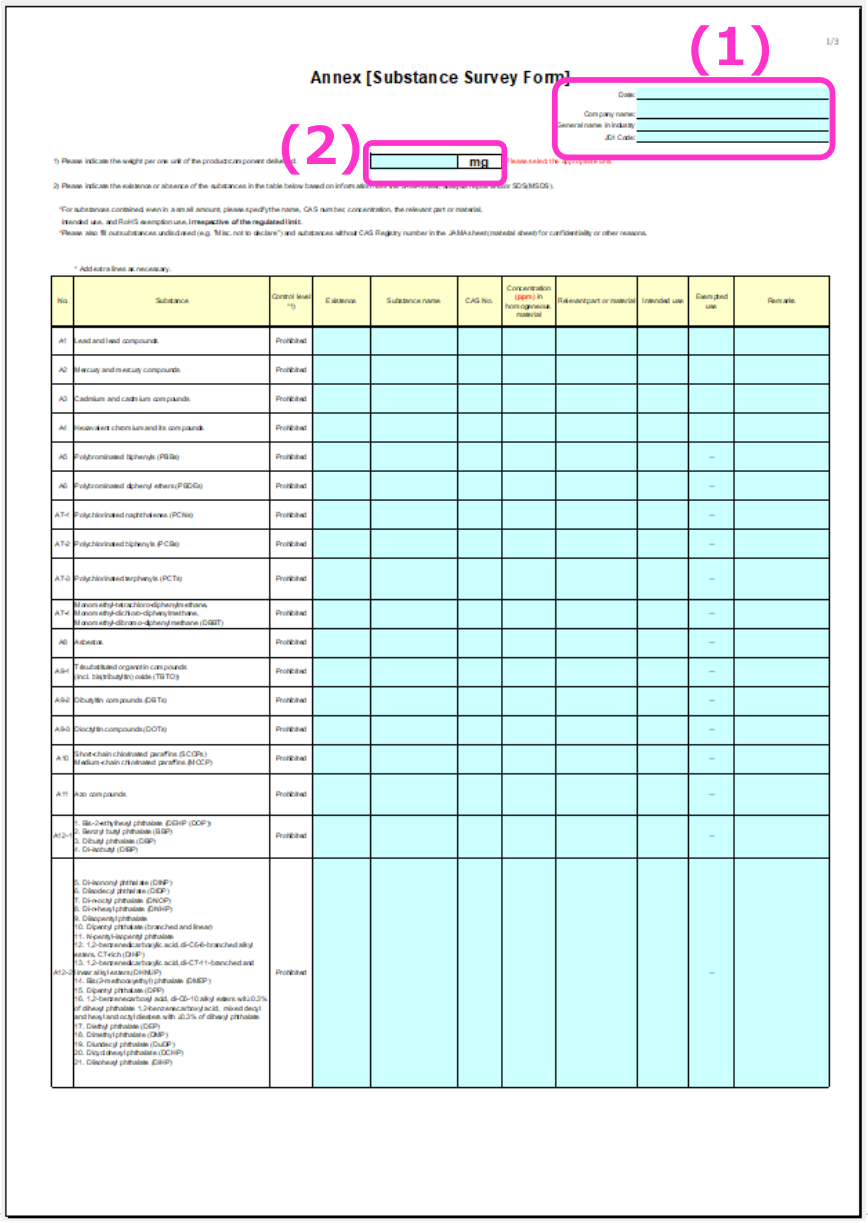
<Important !!>

▪The "Part Component Diagram" must be registered in jDesc in any file form separately from the Non-Use Certification.

▪ When registering in jDesc, choose the document name of "Part Component Diagram" as the registration document name.

Certification of non-use of environment-related substances – 14/19

[Fill-in procedure of Survey Format attached (1)(2)]



1/3

Annex [Substance Survey Form]

(1)

Date:
Company name:
General name in industry:
JDI Code:

(2)

mg

1) Please indicate the weight per one unit of the product/component delivered. Please select the appropriate unit.

2) Please indicate the existence or absence of the substances in the table below based on information obtained via questionnaires, analytical reports and/or SDS/MSDS).

*For substances contained, even in a small amount, please specify the name, CAS number, concentration, the relevant part or material, intended use, and RoHS exemption use, **irrespective of the regulated limit.**
*Please also fill out substances undisclosed (e.g. "I/I do not to declare") and substances without CAS Registry number in the JAMA sheet (material sheet) for confidentiality or other reasons.

* Add extra lines as necessary.

No.	Substance	Control level *1)	Existence	Substance name	CAS No.	Concentration (ppm) in homogeneous material	Relevant part or material	Intended use	Exempted use	Remarks
A1	Lead and lead compounds	Prohibited							–	
A2	Mercury and mercury compounds	Prohibited							–	
A3	Cadmium and cadmium compounds	Prohibited							–	
A4	Hexavalent chromium and its compounds	Prohibited							–	
A5	Polybrominated biphenyls (PBBs)	Prohibited							–	
A6	Polybrominated diphenyl ethers(PBDEs)	Prohibited							–	
A7-1	Polychlorinated naphthalenes (PCNs)	Prohibited							–	
A7-2	Polychlorinated biphenyls (PCBs)	Prohibited							–	
A7-3	Polychlorinated terphenyls (PCTs)	Prohibited							–	
A7-4	Monomethyl-tetrachloro-diphenylmethane, Monomethyl-dichloro-diphenylmethane, Monomethyl-dibromo-diphenylmethane (DBBT)	Prohibited							–	
A8	Asbestos	Prohibited							–	
A9-1	Tri-substituted organotin compounds (incl. bis(tributyltin) oxide (TBTO))	Prohibited							–	
A9-2	Dibutyltin compounds (DBTs)	Prohibited							–	
A9-3	Dioctyltin compounds (DOTs)	Prohibited							–	
A10	Short-chain chlorinated paraffins (SCCPs) / Medium-chain chlorinated paraffins (MCCP)	Prohibited							–	
A11	Azo compounds	Prohibited							–	
A12-1	1. Bis-2-ethylhexyl phthalate (DEHP (DOP)) 2. Benzyl butyl phthalate (BBP) 3. Dibutyl phthalate (DBP) 4. Di-isobutyl (DIBP)	Prohibited							–	
A12-2	5. Di-isononyl phthalate (DINP) 6. Didecyl phthalate (DIDP) 7. Di-n-octyl phthalate (DNOP) 8. Di-n-hexyl phthalate (DNHP) 9. Diisopentyl phthalate 10. Dipentyl phthalate (branched and linear) 11. N-pentyl-isopentyl phthalate 12. 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) 13. 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) 14. Bis(2-methoxyethyl) phthalate (DMEP) 15. Dipentyl phthalate (DPP) 16. 1,2-benzenedicarboxyl acid, di-C6-10-alkyl esters with ≥0.3% of dihexyl phthalate, 1,2-benzenedicarboxyl acid, mixed decyl and hexyl and octyl diesters with ≥0.2% of dihexyl phthalate 17. Diethyl phthalate (DEP) 18. Dimethyl phthalate (DMP) 19. Diundecyl phthalate (DuDP) 20. Dicyclohexyl phthalate (DCHP) 21. Dihexhexyl phthalate (DHxP)	Prohibited							–	

(1)

* It is systematized so that the data entered in the top page of the Certification are reflected in this page as a default.

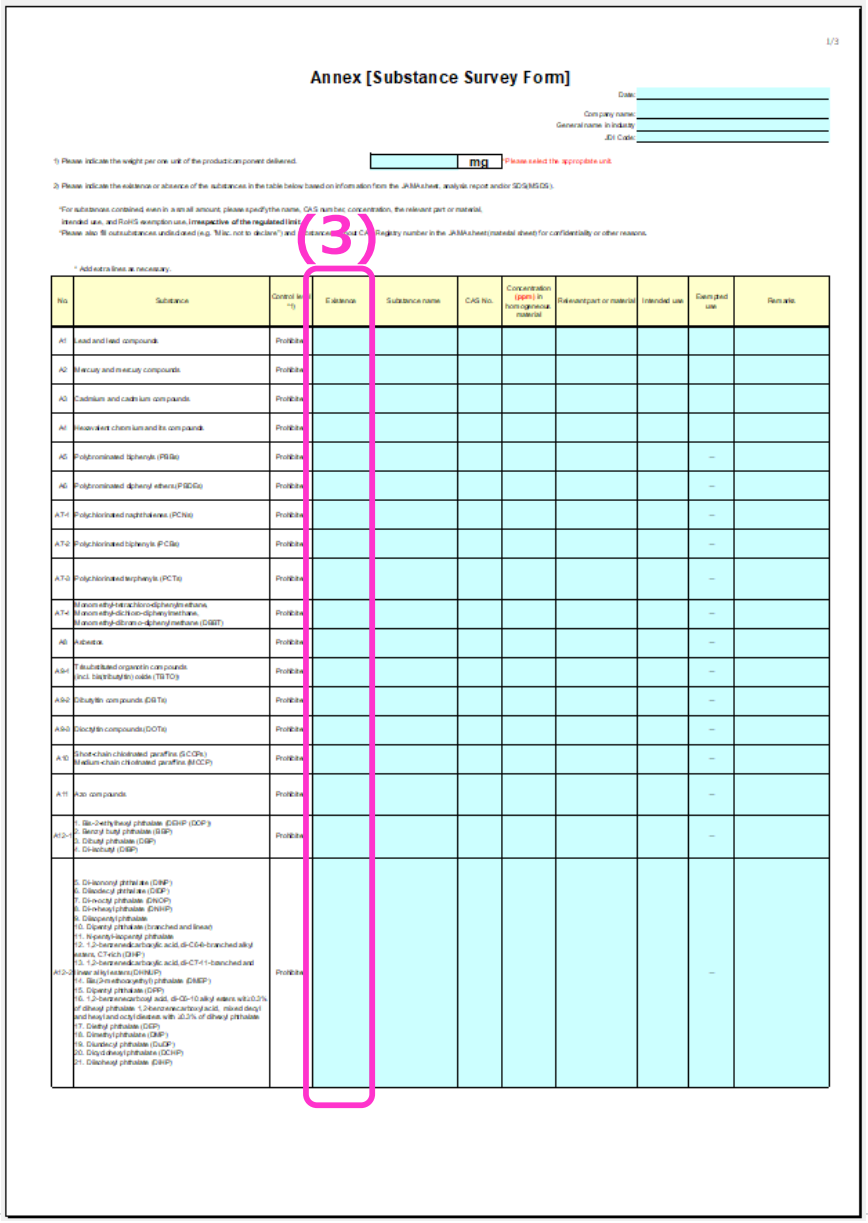
<Basic information of supplier>
Date: Issued date
Company name: Supplier's company name
* To be filled by the primary supplier to JDI.
Product name (in general): General name of procured item
JDI code: JDI item code (9 digits) specified by JDI

(2)

<Weight>
Please indicate the weight (in mg or g) of a single unit of the product delivered
and please also use the unit length or unit volume instead of unit count as
necessary.
Examples: __ mg/m for ACF, __ mg/100 mL for liquids

Certification of non-use of environment-related substances – 15/19

[Fill-in procedure of Survey Format attached (3)]



1/3

Annex [Substance Survey Form]

Date:
Company name:
General name in industry:
JDI Code:

1) Please indicate the weight per one unit of the product/component delivered. mg Please select the appropriate unit.

2) Please indicate the existence or absence of the substances in the table below based on information from the JAMA sheet, analysis report and/or SDS(MSDS).

*For substances contained, even in a small amount, please specify the name, CAS number, concentration, the relevant part or material, intended use, and RoHS exemption use, **irrespective of the regulated limits.**
*Please also fill out substances undisclosed (e.g. "Mixture, not to declare") and substances without CAS Registry number in the JAMA sheet (material sheet) for confidentiality or other reasons.

* Add extra lines as necessary.

(3)

No.	Substance	Control level *1)	Existence	Substance name	CAS No.	Concentration (ppm) in homogeneous material	Relevant part or material	Intended use	Exempted use	Remarks
A1	Lead and lead compounds	Prohibited								
A2	Mercury and mercury compounds	Prohibited								
A3	Cadmium and cadmium compounds	Prohibited								
A4	Hexavalent chromium and its compounds	Prohibited								
A5	Polybrominated biphenyls (PBBs)	Prohibited							–	
A6	Polybrominated diphenyl ethers (PBDEs)	Prohibited							–	
A7-1	Polychlorinated naphthalenes (PCNs)	Prohibited							–	
A7-2	Polychlorinated biphenyls (PCBs)	Prohibited							–	
A7-3	Polychlorinated terphenyls (PCTs)	Prohibited							–	
A7-4	Monomethyl-tetrachloro-diphenylmethane, Monomethyl-dichloro-diphenylmethane, Monomethyl-dibromo-diphenylmethane (DBBT)	Prohibited							–	
A8	Asbestos	Prohibited							–	
A9-1	Tri-substituted organotin compounds (incl. bis(tributyltin) oxide (TBTO))	Prohibited							–	
A9-2	Dibutyltin compounds (DBTs)	Prohibited							–	
A9-3	Dioctyltin compounds (DOTs)	Prohibited							–	
A10	Short-chain chlorinated paraffins (SCCPs) / Medium-chain chlorinated paraffins (MCCP)	Prohibited							–	
A11	Azo compounds	Prohibited							–	
A12-1	1. Bis-2-ethylhexyl phthalate (DEHP (DOP)) 2. Benzyl butyl phthalate (BBP) 3. Dibutyl phthalate (DBP) 4. Di-isobutyl (DIBP)	Prohibited							–	
A12-2	5. Di-isononyl phthalate (DINP) 6. Didodecyl phthalate (DIDP) 7. Di-n-octyl phthalate (DNOP) 8. Di-n-hexyl phthalate (DNHP) 9. Diisopentyl phthalate 10. Dipentyl phthalate (branched and linear) 11. N-pentyl-isopentyl phthalate 12. 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) 13. 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) 14. Bis(2-methoxyethyl) phthalate (DMEP) 15. Dipentyl phthalate (DPP) 16. 1,2-benzenedicarboxyl acid, di-C6-10-alkyl esters with ≥0.3% of dihexyl phthalate, 1,2-benzenedicarboxyl acid, mixed decyl and hexyl and octyl diesters with ≥0.2% of dihexyl phthalate 17. Diethyl phthalate (DEP) 18. Dimethyl phthalate (DMP) 19. Diundecyl phthalate (DuDP) 20. Dicyclohexyl phthalate (DCHP) 21. Dihexhyl phthalate (DHP)	Prohibited							–	

(3)

<Entering "Contained" or "Not contained" in the column>
Enter whether the substances to be surveyed that are indicated on the Table are contained, based on the JAPIA Sheet, analytical reports, and the composition data in the SDS (MSDS).

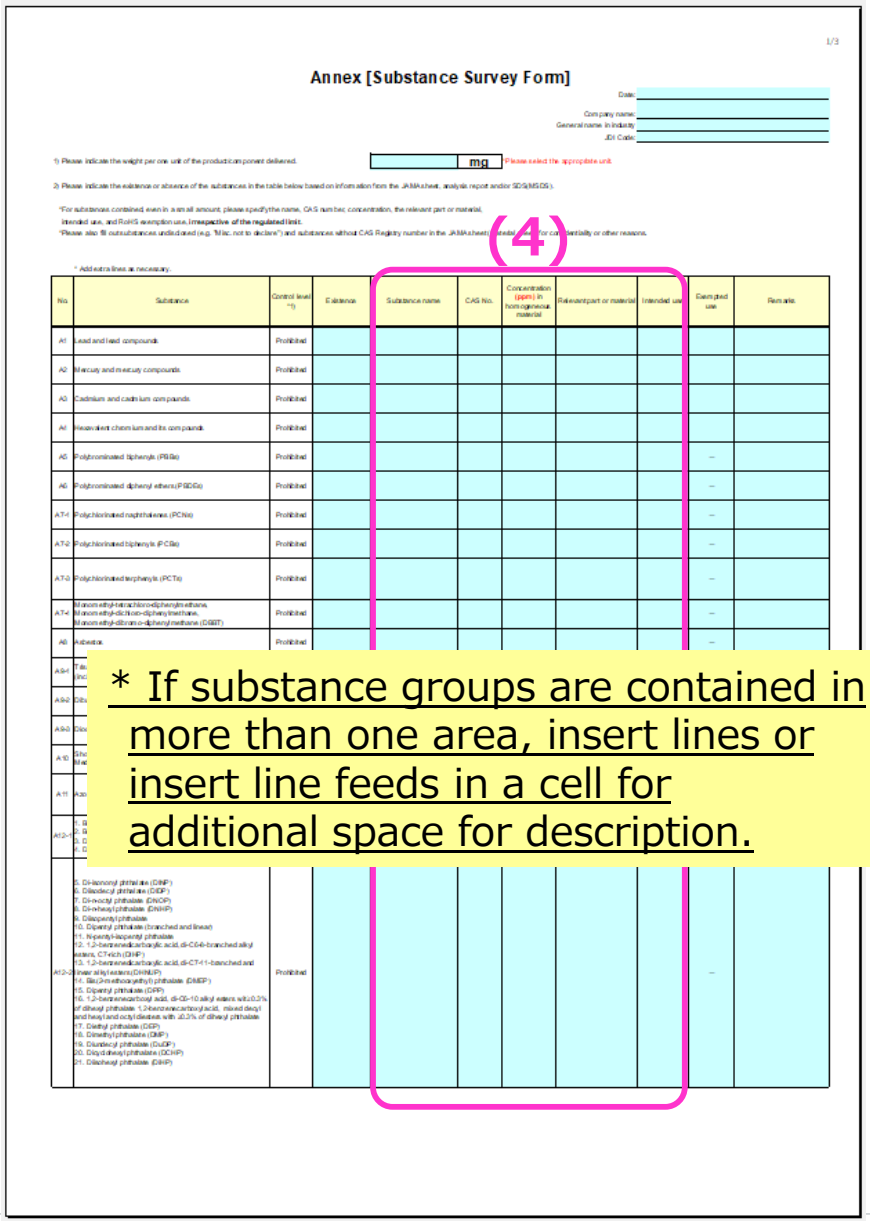
On all substance groups in the table, select "Contained" or "Not contained" on the pull-down menu:

* Regardless of the regulated limits, if containing the substances even in a trace quantity, select "Contained."

* Select "Yes" or "No" checking the JAPIA sheets, analytical reports and SDS(MSDS) sheets.

Certification of non-use of environment-related substances – 16/19

[Fill-in procedure of Survey Format attached (4)]



1/3

Annex [Substance Survey Form]

Date:
Company name:
General name in industry:
JDI Code:

1) Please indicate the weight per one unit of the product/component delivered. mg Please select the appropriate unit

2) Please indicate the existence or absence of the substances in the table below based on information from the JAMA sheet, analysis report and/or SDS/MSDS).

*For substances contained, even in a small amount, please specify the name, CAS number, concentration, the relevant part or material, intended use, and RoHS exemption use, **irrespective of the regulated limit.**
*Please also fill out substances undisclosed (e.g. "Misc. not to declare") and substances without CAS Registry number in the JAMA sheet (material sheet) for confidentiality or other reasons.

(4)

* Add extra lines as necessary.

No.	Substance	Control level *1)	Existence	Substance name	CAS No.	Concentration (ppm) in homogeneous material	Relevant part or material	Intended use	Exempted use	Remarks
A1	Lead and lead compounds	Prohibited								
A2	Mercury and mercury compounds	Prohibited								
A3	Cadmium and cadmium compounds	Prohibited								
A4	Hexavalent chromium and its compounds	Prohibited								
A5	Polybrominated biphenyls (PBBs)	Prohibited							–	
A6	Polybrominated diphenyl ethers (PBDEs)	Prohibited							–	
A7-1	Polychlorinated naphthalenes (PCNs)	Prohibited							–	
A7-2	Polychlorinated biphenyls (PCBs)	Prohibited							–	
A7-3	Polychlorinated terphenyls (PCTs)	Prohibited							–	
A7-4	Monomethyl-tetrachloro-diphenylmethane, Monomethyl-dichloro-diphenylmethane, Monomethyl-dibromo-diphenylmethane (DBBT)	Prohibited							–	
A8	Asbestos	Prohibited							–	
A10	5. Di-isononyl phthalate (DINP) 6. Didecyl phthalate (DIDP) 7. Di-n-octyl phthalate (DNOP) 8. Di-n-hexyl phthalate (DNHP) 9. Diisopentyl phthalate 10. Dipentyl phthalate (branched and linear) 11. N-pentyl-isopentyl phthalate 12. 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DHP) 13. 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) 14. Bis(2-methoxyethyl) phthalate (DMEP) 15. Dipentyl phthalate (DPP) 16. 1,2-benzenedicarboxyl acid, di-OE-10 alkyl esters with ≥0.3% of dihexyl phthalate; 1,2-benzenedicarboxyl acid, mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate 17. Diethyl phthalate (DEP) 18. Dimethyl phthalate (DMP) 19. Diundecyl phthalate (DuDP) 20. Dicyclohexyl phthalate (DCHP) 21. Dihexhexyl phthalate (DHP)	Prohibited							–	

* If substance groups are contained in more than one area, insert lines or insert line feeds in a cell for additional space for description.

(4)

<Contained substance data>
If **selected "Contained"** at (3), enter following data:

[*Substance name*]
General name in industry
[CAS Registry No.]
If the substance has no CAS No., enter a hyphen (-).
[*Concentration in homogeneous material* [ppm]]
Enter the content rate (Unit: ppm) of the homogeneous material.
** For SVHCs, please give the weight concentration in the product.*
[*Relevant part or material*]
Relevant part in the product where the substance is used, or the material containing the substance. (Use the same terms as in the "Component List")
[*Intended use*]
Reason for the substance to contain in the material, e.g. improvement of characteristics, impurity, residue, etc.

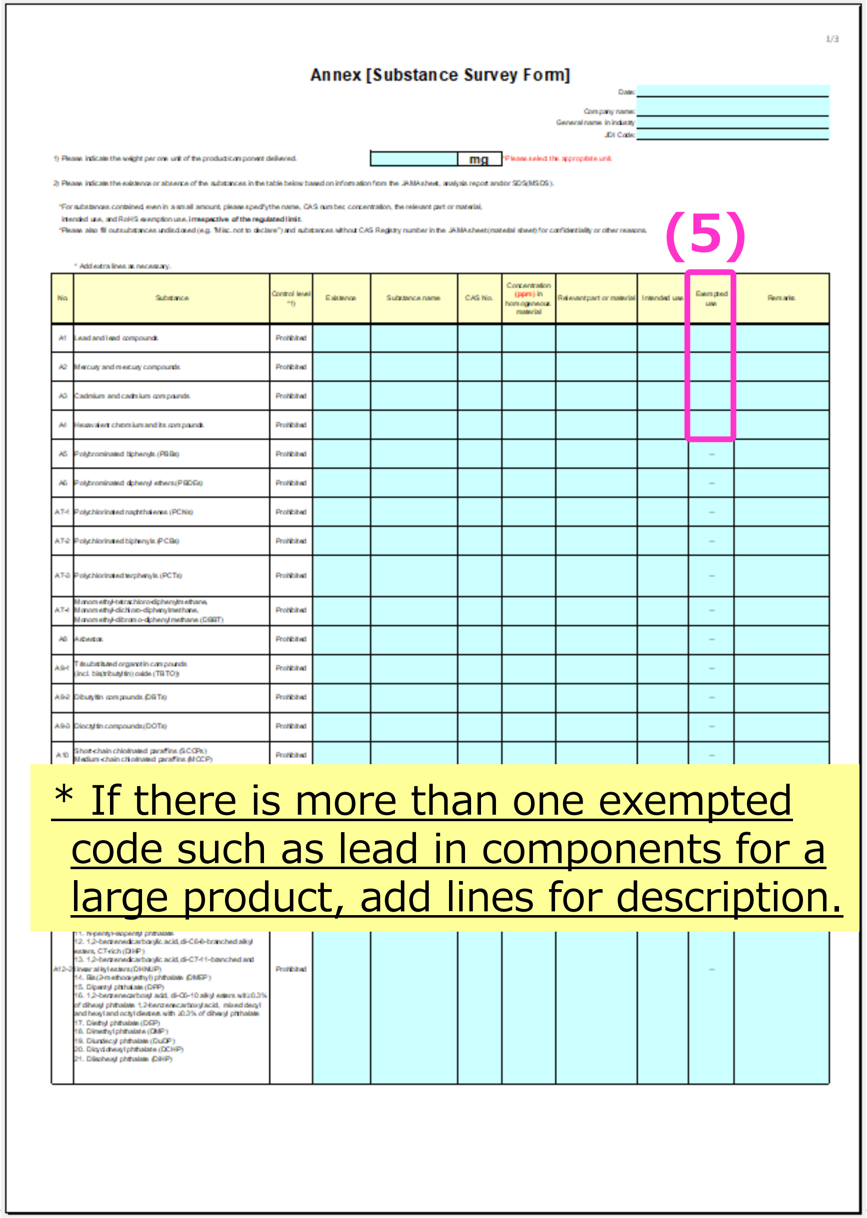
**For substances contained, even in a small amount, please specify the name, CAS number, concentration, the relevant part or material, intended use, and RoHS exemption use, irrespective of the regulated limit.*

**Please also fill out substances undisclosed (e.g. "Misc. not to declare") and substances without CAS Registry number in the JAPIA sheet (material sheet) for confidentiality or other reasons.*

Certification of non-use of environment-related substances – 17/19

JDI

[Fill-in procedure of Survey Format attached (5)]



* If there is more than one exempted code such as lead in components for a large product, add lines for description.

(5)

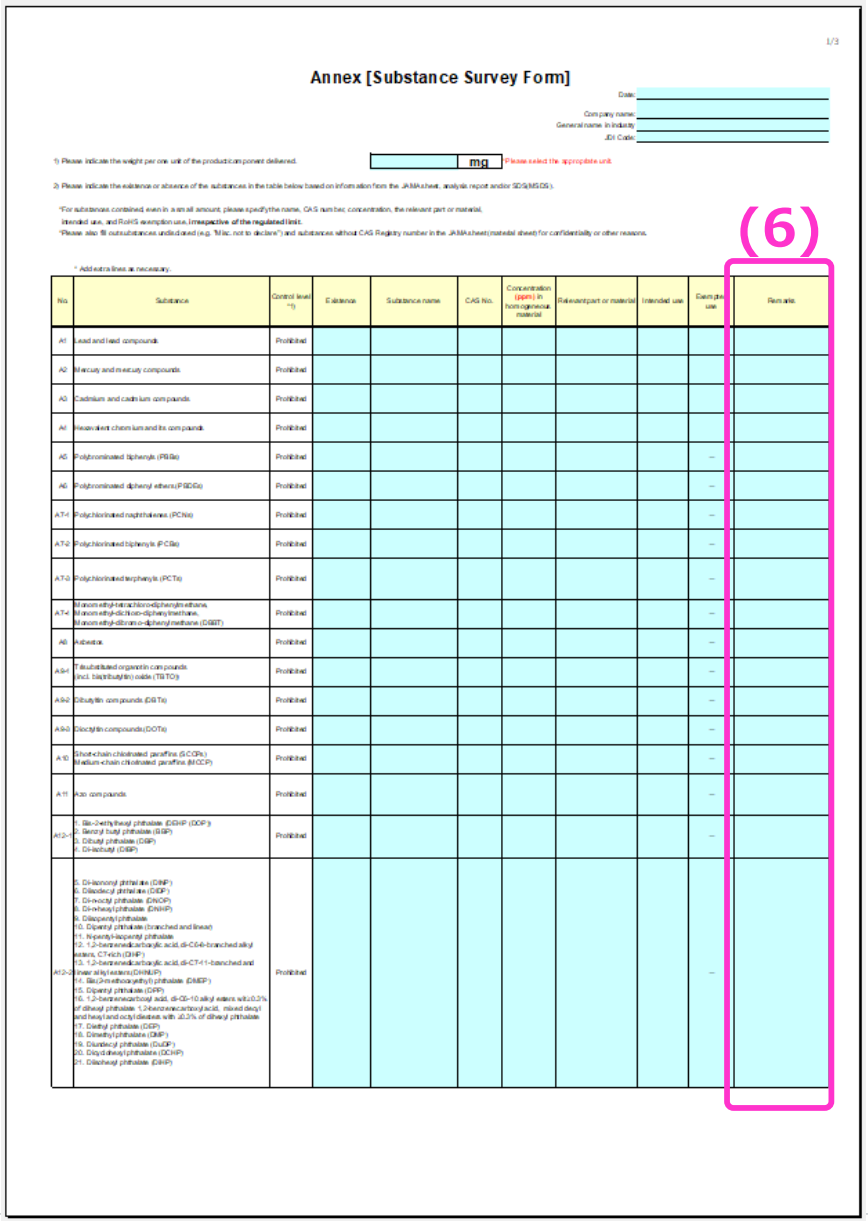
<Entering applications exempted>

If containing substances exempted from application of European RoHS Directive, select appropriate one on the pull-down menu.

*** The exemption codes are to be referred to the “Exemptions in the European RoHS Directive” attached to the Certification Format.**

Certification of non-use of environment-related substances – 18/19

[Fill-in procedure of Survey Format attached (6)]



1/3

Annex [Substance Survey Form]

Date:
Company name:
General name in industry:
JDI Code:

1) Please indicate the weight per one unit of the product/component delivered. mg Please select the appropriate unit.

2) Please indicate the existence or absence of the substances in the table below based on information from the JAMA sheet, analysis report and/or SDS(MSDS).

*For substances contained, even in a small amount, please specify the name, CAS number, concentration, the relevant part or material, intended use, and RoHS exemption use, **irrespective of the regulated limit.**
*Please also fill out substances undisclosed (e.g. "Misc. not to declare") and substances without CAS Registry number in the JAMA sheet (material sheet) for confidentiality or other reasons.

(6)

* Add extra lines as necessary.

No.	Substance	Control level *1)	Existence	Substance name	CAS No.	Concentration (ppm) in homogeneous material	Relevant part or material	Intended use	Exemption use	Remarks
A1	Lead and lead compounds	Prohibited								
A2	Mercury and mercury compounds	Prohibited								
A3	Cadmium and cadmium compounds	Prohibited								
A4	Hexavalent chromium and its compounds	Prohibited								
A5	Polybrominated biphenyls (PBBs)	Prohibited							–	
A6	Polybrominated diphenyl ethers (PBDEs)	Prohibited							–	
A7-1	Polychlorinated naphthalenes (PCNs)	Prohibited							–	
A7-2	Polychlorinated biphenyls (PCBs)	Prohibited							–	
A7-3	Polychlorinated terphenyls (PCTs)	Prohibited							–	
A7-4	Monomethyl-tetrachloro-diphenylmethane, Monomethyl-dichloro-diphenylmethane, Monomethyl-dibromo-diphenylmethane (DBBT)	Prohibited							–	
A8	Asbestos	Prohibited							–	
A9-1	Tri-substituted organotin compounds (incl. bis(tributyltin) oxide (TBTO))	Prohibited							–	
A9-2	Dibutyltin compounds (DBTs)	Prohibited							–	
A9-3	Dioctyltin compounds (DOTs)	Prohibited							–	
A10	Short-chain chlorinated paraffins (SCCPs) / Medium-chain chlorinated paraffins (MCCP)	Prohibited							–	
A11	Azo compounds	Prohibited							–	
A12-1	1. Bis-2-ethylhexyl phthalate (DEHP (DOP)) 2. Benzyl butyl phthalate (BBP) 3. Dibutyl phthalate (DBP) 4. Di-isobutyl (DIBP)	Prohibited							–	
A12-2	5. Di-isononyl phthalate (DINP) 6. Didecyl phthalate (DIDP) 7. Di-n-octyl phthalate (DNOP) 8. Di-n-hexyl phthalate (DNHP) 9. Diisopentyl phthalate 10. Dipentyl phthalate (branched and linear) 11. N-pentyl-isopentyl phthalate 12. 1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) 13. 1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) 14. Bis(2-methoxyethyl) phthalate (DMEP) 15. Dipentyl phthalate (DPP) 16. 1,2-benzenedicarboxyl acid, di-C6-10-alkyl esters with ≥0.3% of dihexyl phthalate, 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥0.3% of dihexyl phthalate 17. Diethyl phthalate (DEP) 18. Dimethyl phthalate (DMP) 19. Diundecyl phthalate (DUDP) 20. Dicyclohexyl phthalate (DCHP) 21. Diethexyl phthalate (DIHP)	Prohibited							–	

(6)

<Comment>

It is requested that suppliers fill supplemental explanations and information to JDI, if any, in the Remark or Comment column.

B5	Proposition 65 List of Chemicals *5)	Controlled								–	
B6	Washington State's List of Chemicals of High Concern to Children (CHCC) *6)	Controlled								–	
B7	1-bromopropane	Controlled								–	
B8	Phosphorus flame retardant	Controlled								–	
B9	Red phosphorus	Controlled								–	
B10	Bisphenol F Bisphenol S	Controlled								–	
B11	Volatile Organic Compounds (VOCs)	Controlled								–	
B12	Cobalt and its compounds	Controlled								–	
B13	Endocrine Disrupting Chemicals (EDCs)	Controlled								–	
B14	IEC 62474 Substances *7)	Controlled								–	
B15	Indium Phosphide	Controlled								–	
B16	Per- and Polyfluoroalkyl Substances(PFAS)	Controlled								–	

*1) See "Standard of prohibited and controlled substances in product for JDI" in the JDI Green Procurement Guidelines for regulated limits of the substances.
For substances contained in the product/component delivered, even in a small amount, please specify in this table, irrespective of regulated limits.

*2) Class 1 Designated Substances according to the Japanese Chemical Substances Control Law, including authorized substances, as of the date of issue of this document.

JDI Green Procurement Guidelines are available at:
http://www.j-display.com/english/company/procurement/supply.html

*3) EU REACH ANNEX XIV and XVII according to EU REACH regulation, as of the date of issue of this document. The list is available at the following URL:
EU REACH ANNEX XIV: https://echa.europa.eu/authorisation-list
EU REACH ANNEX XVII: https://echa.europa.eu/substances-restricted-under-reach

*4) SVHC substances of authorization candidates according to EU REACH regulation as of the date of issue of this document. Specify the concentration in weight in the product/component delivered.
The SVHC list is available at:
https://echa.europa.eu/candidate-list-table

*5) Proposition 65 List is available at the following URL:
http://oehha.ca.gov/prop65/prop65_list/Newlist.html

*6) CHCC is available at the following URL:
http://apps.leg.wa.gov/WAC/default.aspx?cite=173-334-130

*7) IEC 62474 substances are available at the following URL:
http://std.iec.ch/iec62474
*These URL might be changed.

Comments: Please enter any notifications to JDI.

(6) Comment column

Ver. 7.00 April 1, 2019

Certification of non-use of environment-related substances – 19/19

[Instructions to Prepare Certification]

- Refer to the “Filled example” of the form (Excel) for preparation.
- It is prohibited to re-write the format.
- Be sure to avoid omission or error of descriptions of necessary items and omission of affixing a seal.
- Submit the Certification filled in by the primary supplier to JDI.
  (If the business flow is, for instance, “Manufacturer ⇒ Trading Co. ⇒ JDI,” the Certification is to be filled in by the Trading Co. which deals with JDI directly.
- The registration on jDesc is to be done in the form of Excel or PDF.
  It is not necessary to send the original hard copies, except when instructed to do so.
  * Suppliers are requested to submit electronic files that are set in printable mode.

(iv) – 3. JAPIA Sheet

JAPIA Sheet

1. What is a JAPIA sheet?

- Industry-standard report form applicable to all compositions of the component. (Excel form, available in Japanese, English, and Chinese.)
- It is provided by Japan Auto Parts Industries Association(JAPIA) and is a composition table format mainly for assisting the creation of IMDS in the international format.

2. Manual to prepare a JAPIA sheet

- The manual is posted on the website of Japan Auto Parts Industries Association (JAPIA).
- Posted samples are: electronic components (transistors, electronic printed circuit board), labels, tapes and plated compound components.

3. Website of Japan Auto Parts Industries Association (JAPIA)

- Japanese page : https://www.japia.or.jp/work/kankyou/japiasheet/ * All materials are posted.
- English page : https://www.japia.or.jp/en/activities/environment/japiasheet/ * English materials only are posted.

4. Introduction of “JAMA Sheet User's Manual” prepared by JDI

- A “JAMA Sheet User's Manual” that describes the specific method for creating the old JAMA sheet is posted on our website.
- The basic operation method of the old JAMA sheet and JAPIA sheet is the same. Please use the manual as a reference.

* Japanese page : http://www.j-display.com/company/procurement/supply.html

* English page : http://www.j-display.com/english/company/procurement/supply.html

Suppliers trying JAPIA sheet for the first time are **requested to read in advance the manuals and relevant documents posted on the above URL.**

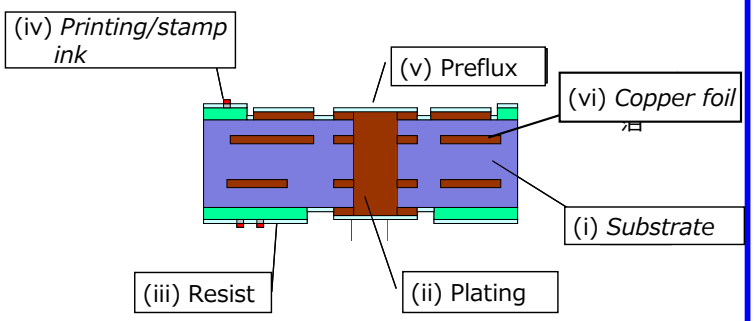
(iv) – 4. Analytical reports

Analytical reports – 1/6

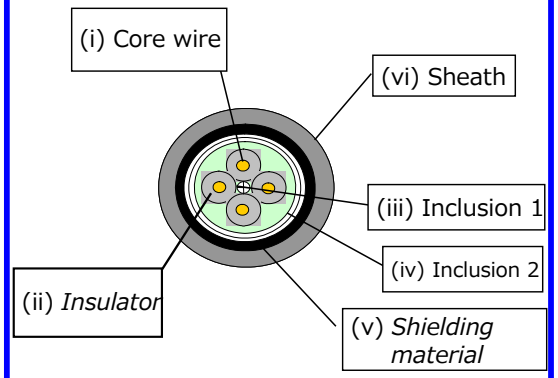
The analytical reports requested by JDI are to satisfy stipulations in (1) through (7).
Any report that fails satisfy any of the stipulations shall be re-submitted.

(1) Materials to be analyzed:
On each component for procurement, suppliers are requested to conduct analysis on all homogeneous materials as shown in the examples below:

Example 1) *Printed circuit board*



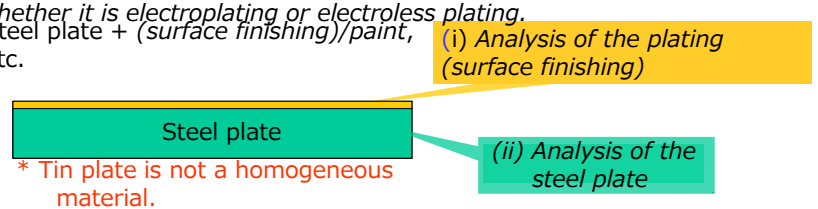
Example 2) Wire



Example 3) Plating

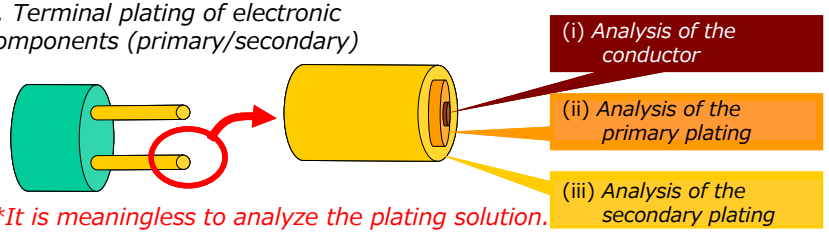
Please ensure that you analyze the plating separately from the base material!!
** Electroless nickel plating is contained meaningly lead. Please state explicitly whether it is electroplating or electroless plating.*

1. Steel plate + *(surface finishing)/paint*, etc.



* Tin plate is not a homogeneous material.

2. *Terminal plating of electronic components (primary/secondary)*



**It is meaningless to analyze the plating solution.*

* Note that, If requested by our customers, procurement items in a liquid state (examples shown below) should be analyzed in the state after product molding (after drying). (e.g. flux, adhesive, coating agent, paste agent, ink, paint, resist, etc.)

Analytical reports – 2/6

(2) Substances to be analyzed: Perform high-precision quantitative analysis on the six substances and four Phthalate esters to which the European RoHS directive applies chlorine and bromine according to Table 1.

Table 1 Substances to be analyzed

Substances to be analyzed	Procured items for products		Packaging and packing materials	
	Resin *materials* (including ink, paint and synthetic rubber)	Other than Resin material (metal, glass, ceramics)		
Cadmium (Cd)	*Required*	*Required*	*Required*	**6 substances of European RoHS**
Lead (Pb)	*Required*	*Required*	*Required*	
Mercury (Hg)	*Required*	*Required*	*Required*	
Hexavalent chromium (Cr(VI)) Note 1)	*Required*	*Required*	*Required*	
PBBs Note 2)	*Required*	*If needed*	*If needed*	
PBDEs Note 2)	*Required*	*If needed*	*If needed*	
Chlorine (Cl)	*Required*	*If needed*	*If needed*	**Halogen (chlorine, bromine)**
Bromine (Br)	*Required*	*If needed*	*If needed*	
Phthalate esters (DEHP, BBP, DBP, DIBP)	*Required*	*If needed*	*If needed*	**Phthalate esters of European RoHS**

Note 1) Regarding Cr (VI), if the total Cr detected is not higher than the detection limit, it may be used alternatively.
Note 2) Analysis of PBBs and PBDEs is not necessary if the *analysis result for bromine are not higher* than the detection limit.
Regarding PBBs and PBDEs, all of their isomeric forms are to be analyzed. (10 kinds from PBBs and 10 kinds from PBDEs)

(3) Analytical method : Please refer to the Table 2 for the analytical methods and detection limits recommended by JDI for high-precision quantitative analysis. **Fluorescent X-ray analysis should not be used because of the low precision.**

Table 2 Recommended detection limit and recommended analytical methods for each substance

Substance to be analyzed	Recommended detection limit	Recommended analysis method	
		Pre-conditioning	Analysis
Cadmium (Cd)	2 ppm or less	IEC62321	ICP emission spectrometry
Lead (Pb)	10 ppm or less		
Mercury (Hg)	2 ppm or less		
Hexavalent chromium(Cr (VI))	2 ppm or less		ICP emission spectrometry, UV – Vis
PBBs	5 ppm or less		Gas chromatograph-mass spectrometry
PBDEs	5 ppm or less		
Chlorine (Cl)	50 ppm or less	EN14582	Ion chromatography analysis
Bromine (Br)	50 ppm or less		
Phthalate esters (DEHP, BBP, DBP, DIBP)	50 ppm or less	IEC62321	Gas chromatograph-mass spectrometry

(Supplement)
- The spot test for Cr(VI) stipulated in IEC62321 cannot be accepted as a precise analysis because the spot test is not a quantitative test.
- The Cd and Pb sediment created in their pre-conditioning (unsolved substances) are required to be resolved completely in some way, such as *by* the alkali melting method, and the melting methods represented in the following are not applicable: EN 71-3:1994, ASTMF963-96a, ASTM F963-03, ASTM D 5517 and ISO 8124-3:1997. In addition, EN1122:2001 is not applicable for *the* pre-conditioning method *for* lead.

Analytical reports – 4/6

(4) Information required in the analytical reports

An analytical reports should at least contain information on the following.

1. Pre-conditioning method:
   The name of the official method used, or description of the non-official method used.
2. Measurement method: The name of the official method used, or measurement method.
3. Operator’s and supervisor’s names, the name of the laboratory
4. Date of the analysis
5. Analytical results; please provide the detection limit if the result is N.D. (not detectable)
6. Flowchart of the analytical procedures Note 3)

Note 3) For the preconditioning of resinous samples (inks, dyes, synthetic rubbers) for the determination of cadmium and lead, mention "complete dissolution“ explicitly in the report or flowchart.

(5) Laboratory
Analysis is to be conducted by a third-party laboratory with ISO17025 certification.

(6) Validity of the analytical reports
The analytical reports should be submitted within two years (or one year when requested by a customer) of the date of the analysis.

(7) Language written in an analytical reports
Analytical reports should be written in English. A bi-/multilingual version containing English text is acceptable. (a report in Japanese or Chinese only is not accepted.)

(8) Analysis report requirements from our specific customers

The following submission of analysis reports will be requested individually to suppliers who deliver the components to our specific customers.

Substance to be analyzed	Materials subject to analysis	Analysis method
Cadmium (Cd)	All materials	IEC 62321 or other methods approved in advance by JDI
Lead (Pb)		
Mercury (Hg)		
Hexavalent chromium (Cr (VI))		
PBBs	All materials except metals, glasses, or ceramics	
PBDEs		
Phthalate esters (DEHP, BBP, DBP, DIBP)		
Chlorine (Cl)	All materials except metals or ceramics	EN 14582 US EPA SW-846 5050/9056 or other methods approved in advance by JDI
Bromine (Br)		
Arsenic (As)	Glass	Total acid digestion followed by ICP-MS
Beryllium (Be)	Metal alloys including copper and beryllia ceramic *For metals, alloys, and solders, a certified mill test report (also known as “mill sheet”) that contains detailed composition information can be accepted in lieu of the analysis report.	US EPA 3050B US EPA 3052 or other methods approved in advance by JDI
PFOS, PFOA	Inks, paints, leather, textiles, and coatings	DIN CEN/TS 15968 or other methods approved in advance by JDI

<Required Conditions> All the following conditions shall be met.

(i)Conduct the analysis for each homogeneous material. A homogeneous material is a single material in which the composition is uniform throughout the material, or a material that is composed of a combination of materials that cannot be further separated by mechanical means.

(ii)Conduct the analysis using a sample in the **finished state (the condition used in the market.)**

→ **Inks, paints, and adhesives** shall be analyzed in a **cured state after drying**, not in a liquid state before application.

→ **Solder flux and solder paste** shall be analyzed in the **state after heat treatment after its application**.

Solder thread and solder paste shall be analyzed for **alloy and flux separately after they are separated**. If there is a cleaning process that removes residual flux, the analysis may be conducted without separating them.

→ For **coatings including plating**, analysis shall be conducted **after the completion of coating (plating)**. For coating materials that cannot be mechanically peeled off from the base material, **analysis may be conducted for the base material after the completion of coating (plating)**. Analysis in the liquid state (plating liquid) before its application is not acceptable.

(iii)The analysis report shall be issued by a third-party laboratory with ISO 17025 accreditation.

(iv)The date of analysis shall be **within two years**. *Since the date of analysis must be no older than two years from the date of submission of the report to a specific customer, JDI may request suppliers to provide the newer analysis report to secure sufficient time for its submission.

(V)In addition to satisfying item (4), the contents of analysis reports shall meet the following.

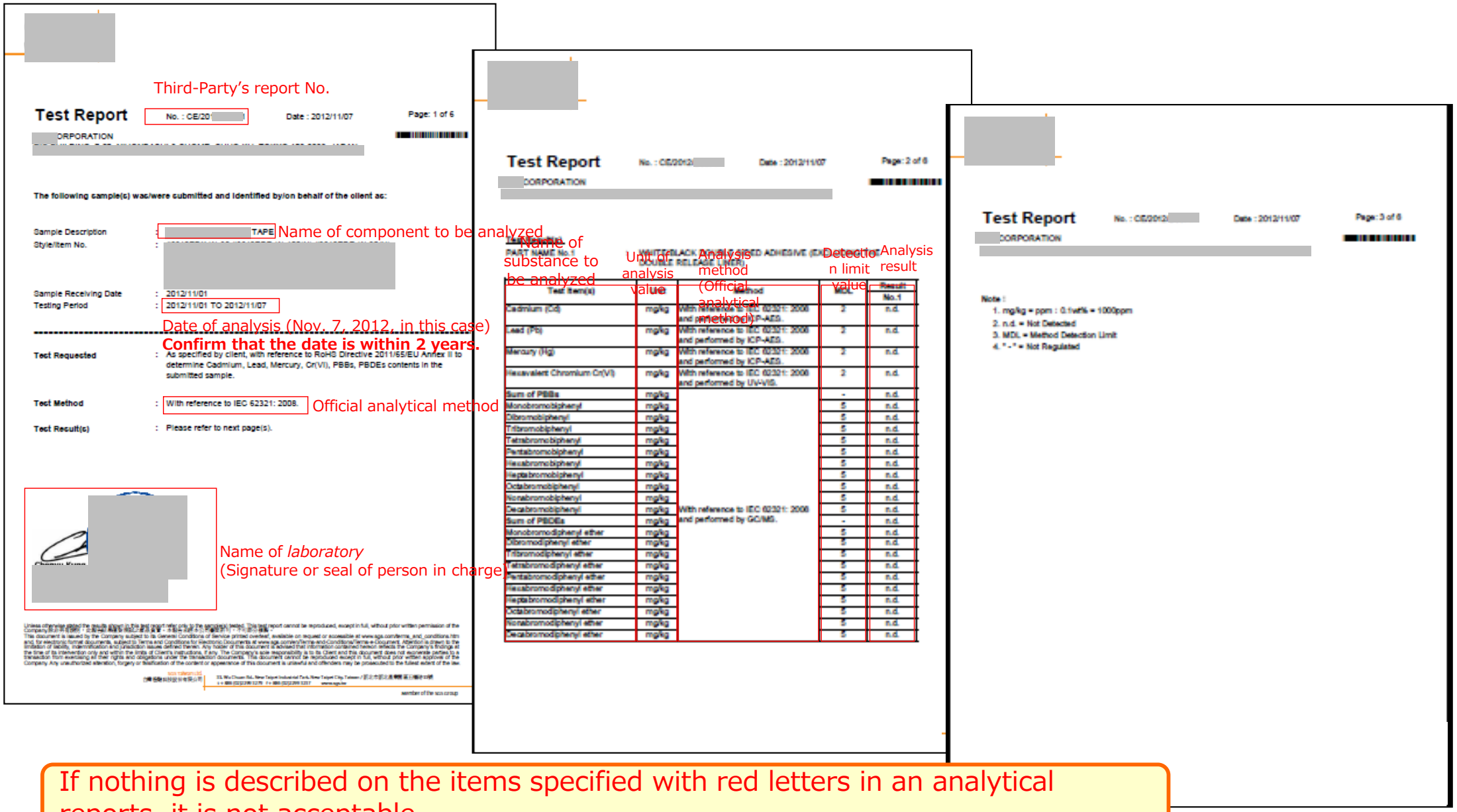
→ Must be in English (containing any other languages is acceptable).

→ The name (description) of the sample in the report shall be a name that is identifiable as the target material.

→ Include a photo of each sample analyzed.

→ **Must be an original pdf file issued by the laboratory**. A printed or edited PDF file will not be accepted.

Analytical reports (Examples of European RoHS analysis – 1/2)



If nothing is described on the items specified with red letters in an analytical reports, it is not acceptable.

Analytical reports (Examples of European RoHS analysis – 2/2)

Test Report No. : CE/2012[redacted] Date : 2012/11/07 Page: 4 of 6

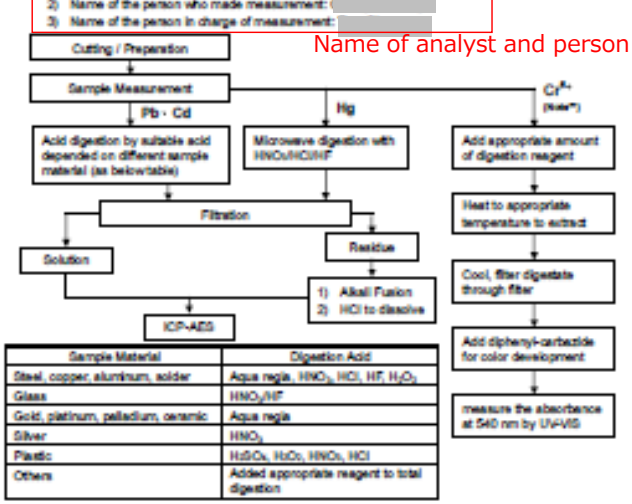
[redacted] CORPORATION

Analysis flow chart (Cd, Pb, Hg, Cr6+)

Text saying “dissolved totally” in pre-conditioning (Cd, Pb)

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr6+ test method excluded.)
2) Name of the person who made measurement: [redacted]
3) Name of the person in charge of measurement: [redacted]

Name of analyst and person in charge



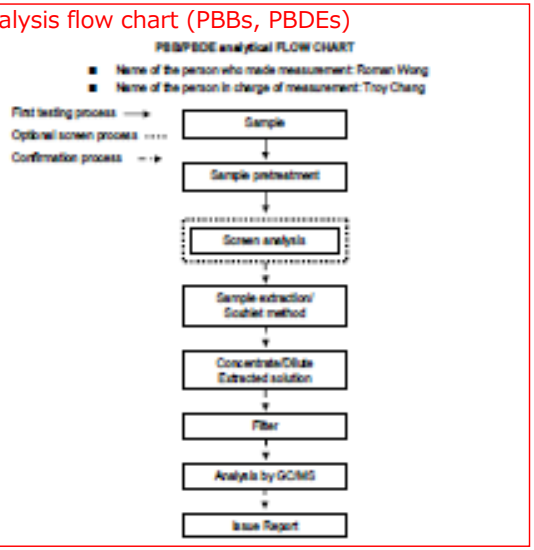
Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO_3, HCl, HF, H_2O_2
Glass	HNO_3/HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO_3
Plastic	H_2SO_4, H_2O_2, HNO_3, HCl
Others	Added appropriate reagent to total digestion

Note** : (1) For non-metallic material, add alkaline digestion reagent and heat to 90-95℃.
(2) For metallic material, add pure water and heat to boiling.

Test Report No. : CE/2012[redacted] Date : 2012/11/07 Page: 5 of 6

[redacted] CORPORATION

Analysis flow chart (PBBs, PBDEs)

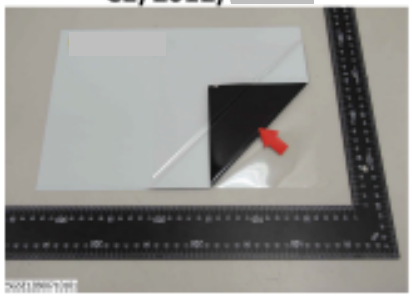


Test Report No. : CE/2012[redacted] Date : 2012/11/07 Page: 6 of 6

[redacted] CORPORATION

* The tested sample / part is marked by an arrow if it's shown on the photo. *

CE/2012/[redacted]

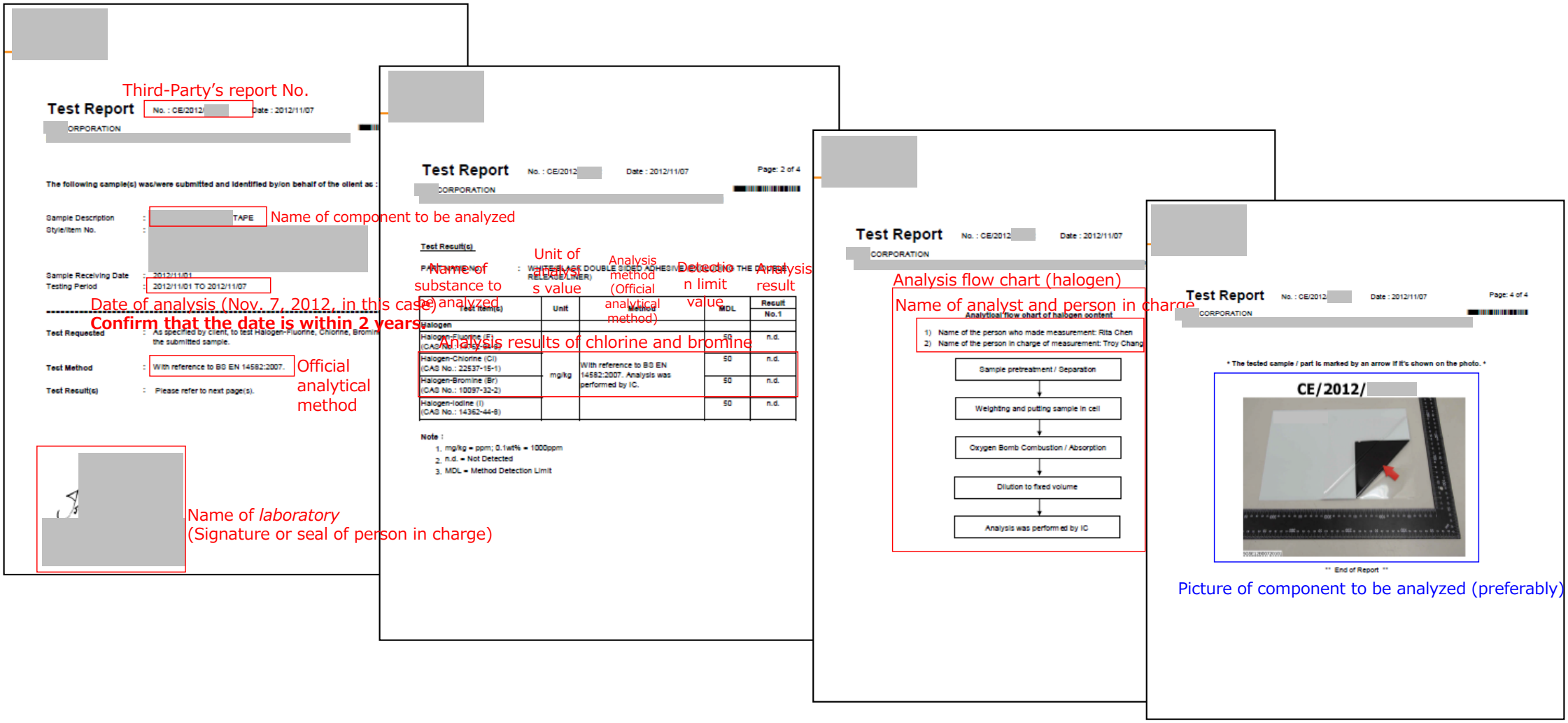


** End of Report **

Picture of component to be analyzed (preferably)

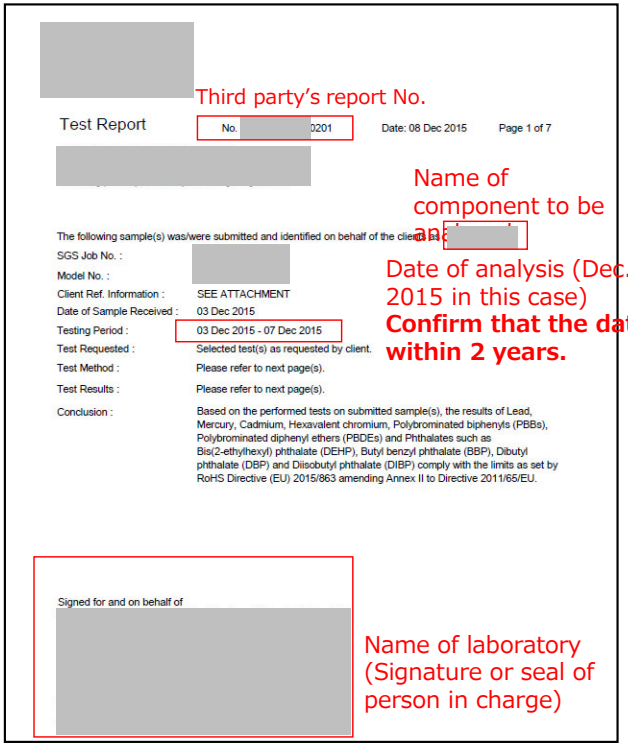
If nothing is described on the items specified with red letters in an analytical reports, it is not acceptable.

Analytical reports (Example of analysis of chlorine and bromine – 1/1)



If nothing is described on the items specified with red letters in an analytical reports, it is not acceptable.

Analytical reports (Example of analysis of Phthalate esters – 1/1)



Test Report No. [redacted] 0201 Date: 08 Dec 2015 Page 1 of 7

Third party's report No.

The following sample(s) was/were submitted and identified on behalf of the client as :

SGS Job No. :
Model No. :
Client Ref. Information : SEE ATTACHMENT
Date of Sample Received : 03 Dec 2015
Testing Period : 03 Dec 2015 - 07 Dec 2015
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

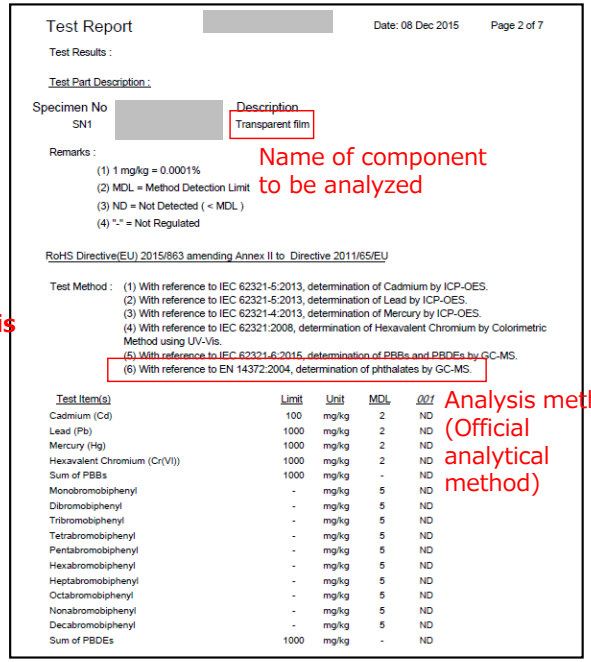
Conclusion : Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Name of component to be analyzed

Date of analysis (Dec. 7, 2015 in this case)
Confirm that the date is within 2 years.

Signed for and on behalf of [redacted]

Name of laboratory (Signature or seal of person in charge)



Test Report [redacted] Date: 08 Dec 2015 Page 2 of 7

Test Results :

Test Part Description :

Specimen No SN1 [redacted] Description Transparent film

Remarks :
(1) 1 mg/kg = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

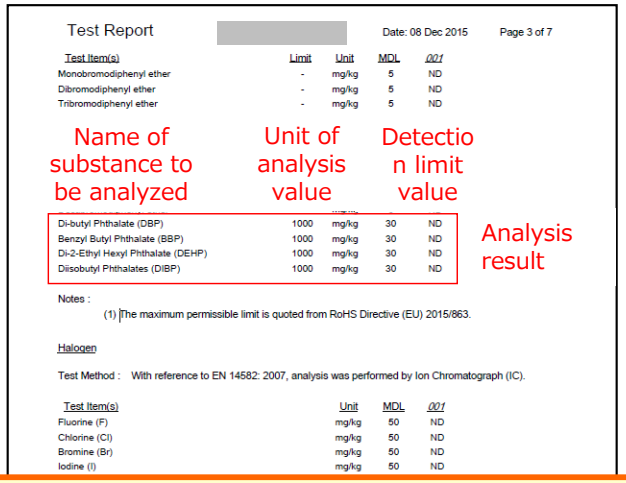
Name of component to be analyzed

RoHS Directive(EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
(2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
(3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
(4) With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
(5) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
(6) With reference to EN 14372:2004, determination of phthalates by GC-MS.

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	2	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND

Analysis method (Official analytical method)



Test Report [redacted] Date: 08 Dec 2015 Page 3 of 7

Test Item(s)	Limit	Unit	MDL	001
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND

Name of substance to be analyzed | Unit of analysis value | Detection limit value

Di-butyl Phthalate (DBP)	1000	mg/kg	30	ND
Benzyl Butyl Phthalate (BBP)	1000	mg/kg	30	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	1000	mg/kg	30	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	30	ND

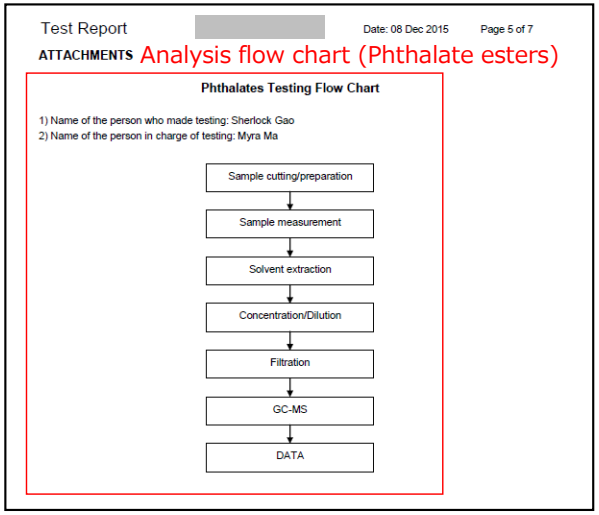
Analysis result

Notes :
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

Halogen

Test Method : With reference to EN 14582: 2007, analysis was performed by Ion Chromatograph (IC).

Test Item(s)	Unit	MDL	001
Fluorine (F)	mg/kg	50	ND
Chlorine (Cl)	mg/kg	50	ND
Bromine (Br)	mg/kg	50	ND
Iodine (I)	mg/kg	50	ND



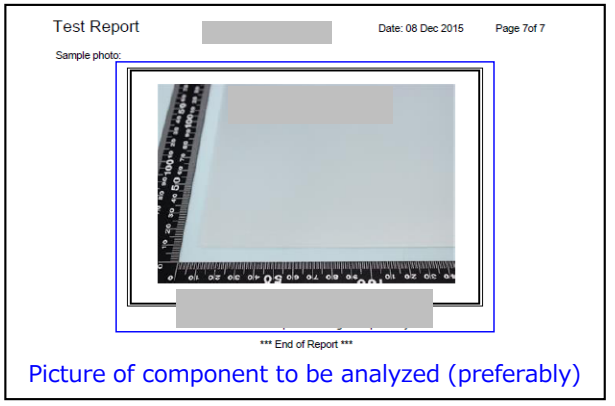
Test Report [redacted] Date: 08 Dec 2015 Page 5 of 7

ATTACHMENTS Analysis flow chart (Phthalate esters)

Phthalates Testing Flow Chart

1) Name of the person who made testing: Sherlock Gao
2) Name of the person in charge of testing: Myra Ma

Sample cutting/preparation
↓
Sample measurement
↓
Solvent extraction
↓
Concentration/Dilution
↓
Filtration
↓
GC-MS
↓
DATA



Test Report [redacted] Date: 08 Dec 2015 Page 7of 7

Sample photo:

[redacted]

*** End of Report ***

Picture of component to be analyzed (preferably)

If nothing is described on the items specified with red letters in an analytical reports, it is not acceptable.

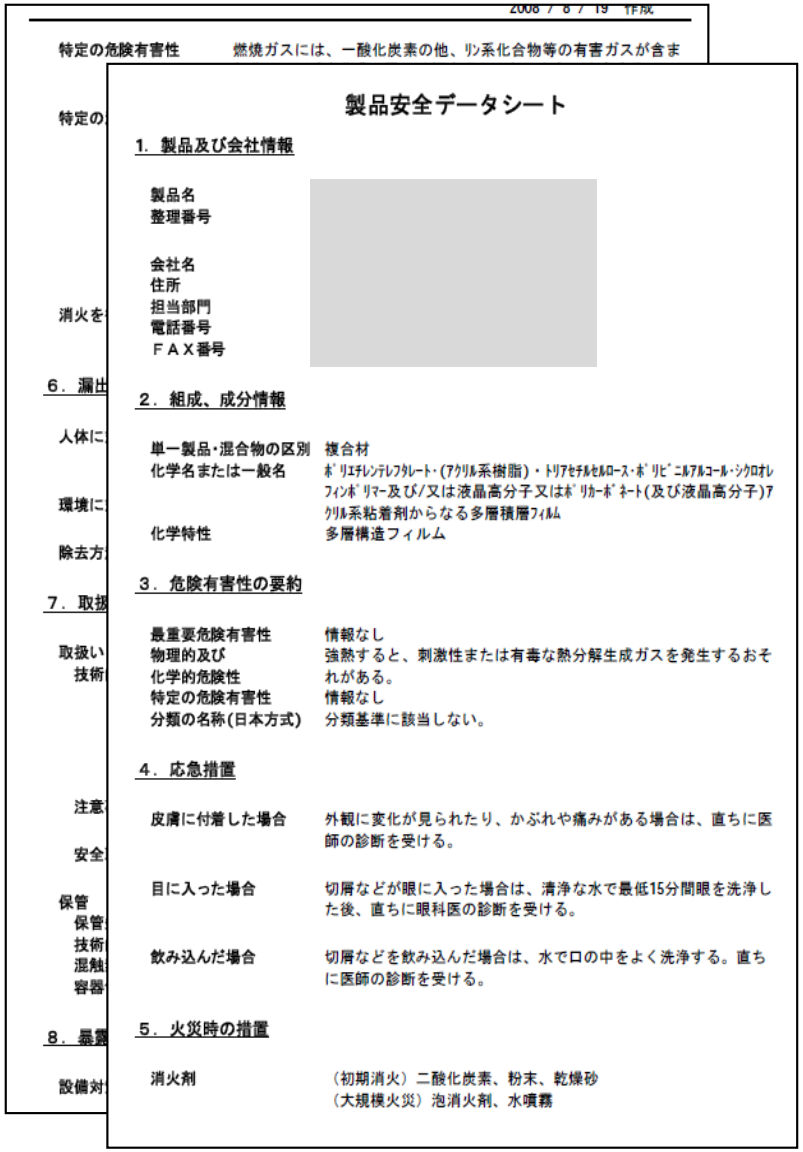
(iv) – 5. SDS(MSDS) (material sheet)

SDS (material sheet)

SDS(Safety Data Sheet)
MSDS (Material Safety Data Sheet)

- Suppliers are requested to submit SDSs (MSDSs) in English for each subcomponent or homogeneous material in the product as evidence for the constituent information in the JAPIA Sheet. If SDSs (MSDSs) are not available, submit instead a constituent list (a certification of material, etc. whose form is not specified) provided by the manufacturer of the subcomponent or material.

* A supplier-made constituent list cannot replace the SDSs (MSDSs) because it is not evidence about the constituent information from the source.



製品安全データシート

1. 製品及び会社情報

製品名
整理番号

会社名
住所
担当部門
電話番号
ＦＡＸ番号

2. 組成、成分情報

単一製品・混合物の区別	複合材
化学名または一般名	ﾎﾟﾘｴﾁﾚﾝﾃﾚﾌﾀﾚｰﾄ・(ｱｸﾘﾙ系樹脂)・ﾄﾘｱｾﾁﾙｾﾙﾛｰｽ・ﾎﾟﾘﾋﾞﾆﾙｱﾙｺｰﾙ・ｼｸﾛﾎｷｼﾌｨﾝﾎﾟﾘﾏｰ及び/又は液晶高分子又はﾎﾟﾘｶｰﾎﾞﾈｰﾄ(及び液晶高分子)ｱｸﾘﾙ系粘着剤からなる多層積層ﾌｨﾙﾑ
化学特性	多層構造フィルム

3. 危険有害性の要約

最重要危険有害性	情報なし
物理的及び化学的危険性	強熱すると、刺激性または有毒な熱分解生成ガスを発生するおそれがある。
特定の危険有害性	情報なし
分類の名称(日本方式)	分類基準に該当しない。

4. 応急措置

皮膚に付着した場合	外観に変化が見られたり、かぶれや痛みがある場合は、直ちに医師の診断を受ける。
目に入った場合	切屑などが眼に入った場合は、清浄な水で最低15分間眼を洗浄した後、直ちに眼科医の診断を受ける。
飲み込んだ場合	切屑などを飲み込んだ場合は、水で口の中をよく洗浄する。直ちに医師の診断を受ける。

5. 火災時の措置

消火剤	（初期消火）二酸化炭素、粉末、乾燥砂 （大規模火災）泡消火剤、水噴霧

(v) Survey request and Answer Method (jDesc)

Survey request and Answer Method (jDesc)
<Summary of Relation between Environmental Survey and jDesc>

1. **Answering methods for environment survey :**
   - **As detailed in "regarding materials requested to suppliers" mentioned before, answering methods are as follows:**

   (i) Answer by through the E-Mail : only "JDI environment-audit-sheet"

   (ii)Answer through jDesc (Chemical Substances Management System): All materials except the above.

2. **Preparation for use of jDesc system in advance:**
   - **Necessary to request usage of the system in advance. An ID and password will be issued.**
   - **Fill in the jDesc usage application form when applying. (The application form can be found through the URL below)**

3. **Basic flow of environment survey using jDesc system:**

   (i) Survey requests from JDI to supplier <through Web>

   (ii)Answer of environment survey by supplier (each submission material) <through Web>

   (iii)Communication from JDI to supplier on material check result (approval, re-survey, etc.) <through Web>

4. **jDesc operation method:**

   *** Refer to the jDesc system operation manual posted on the URL below.**

   ***Japanese: http://www.j-display.com/company/procurement/supply.html**

   ***English: http://www.j-display.com/english/company/procurement/supply.html**

(vi) Cautions and Main Points

[Cautions and Main Points]

- With regard to the materials requested through jDesc, such as the analytical reports and SDS(MSDS), suppliers are requested to be ready to submit in time for the product development schedule.

  (It is too late if starting when requested. Suppliers are requested to prepare voluntarily whenever the specifications are nearly completed so that the materials can be submitted to JDI at any time.)
- Depending on various reasons, if planning to use prohibited substances which exceed the regulated limits, confirm whether the use is specified in the specifications and/or drawings of the objective components that JDI requires.
- Some clients may request JDI, at the early stage of development, to submit materials. To respond to the request, JDI may request suppliers to conduct survey at the stage of prototype (prototype code).

  In such case, two survey requests (together with a mass production code) may be issued. Suppliers' cooperation is anticipated.

  For reference, because supplier's registered data are stored in JDesc, when a supplier prepares answers for mass-production, the supplier may utilize own data registered at the prototype stage.
- If not experienced in preparation of JAPIA sheet, prepare it in advance by reference to manuals.
- Depending on revision of legal regulations and clients' survey requests, suppliers are requested to respond to the survey requests or request of materials other than those demanded in this document.