



Environmental Guidelines for Procurement of Purchased Components

Environmental Management Section, Quality Assurance Department

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1. Approach to Procurement of Purchased Components by the AIPHONE Group

① Aim for procurement of purchased components

The AIPHONE Group strives to protect the environment by developing, designing, and manufacturing environment-friendly products ambitiously.

Procurement of purchased components is one of means of this activity, and its aim is that we make procurement of low environmental impact materials from suppliers working on preserving environment aspiringly.

② Requests to suppliers

- 1) Suppliers should take spontaneous measures to protect the environment.
- 2) Products or purchased components supplied to the AIPHONE Group should be given consideration for reducing environmental load.

2. Scope of Application

① Scope of application for products

- 1) The products designed and manufactured by the AIPHONE Group
- 2) The AIPHONE branded products that the AIPHONE Group entrusted a third party with designing and manufacturing or purchased from other companies including incorporated into AIPHONE products after purchase.
- 3) The products that the third party entrusted the AIPHONE Group with designing and manufacturing.

② Scope of application for materials and Components

- 1) Electrical and electronic Components
- 2) Mechanical Components
- 3) Exterior parts
- 4) Circuit boards
- 5) Cartons or other packaging materials
- 6) Instruction manuals, warranties or printed matter included with products
- 7) Accessory items (screws, tape, adhesive, solder, etc.)

3. Management of Constituent Chemical Substances

① Chemical substances to be Controlled by AIPHONE Group

The AIPHONE Group has issued its own Guidelines for Chemical Substances which are Prohibited or Controlled based on the domestic or foreign laws or regulations. The management of chemical substances is divided into two separate groups, prohibited chemical substances and chemical substances to be controlled, on the basis of the materials they contain.

List of Prohibited Chemical Substances

No.	Chemical material (group) name	Threshold value	
1	Cadmium and cadmium compounds	100ppm	
2	Hexavalent chromium compounds	1,000ppm	
3	Lead and lead compounds		
4	Mercury and mercury compounds		
5	Polybrominated biphenyls (PBBs)		
6	Polybrominated diphenyl ethers (PBDEs)		
7	Bis(2-ethylhexyl) phthalate (DEHP)		New parts: after April 1, 2017 All parts: after April 1, 2018
8	Butyl benzyl phthalate (BBP)		
9	Dibutyl phthalate (DBP)		
10	Diisobutyl phthalate (DIBP)		
11	Bis-tributyltin oxide	None intentionally added	
12	Tributyltins (TBTs), triphenyltins (TPTs)		
13	Polychlorinated biphenyls (PCBs)		
14	Polychlorinated naphthalene (with 3 or more chlorine atoms)		
15	Short chain chlorinated paraffins (C10—C13)		
16	Asbestos		
17	Azo dyes and colorants		
18	Radioactive materials		
19	Ozone layer-depleting materials		
20	Perfluorooctane sulfonates and their salts		
21	Perfluorooctane sulfonyl fluoride		
22	Hexabromobiphenyl (HBB)		
23	Tetrabromodiphenyl ether		
24	Pentabromodiphenyl ether		
25	Hexabromodiphenyl ether		
26	Heptabromodiphenyl ether		
27	Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis (1,1-dimethylethyl)		
28	Polychlorinated terphenyls (PCTs)		
29	Nickel	1,000ppm	
30	Dibutyltin compounds(DBT)		
31	Dioctyltin compounds(DOT)		
32	Dimethylfumarate(DMF)	0.1ppm	
33	Dicofol	None intentionally added	
34	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	PFOA including its salts: less than 25ppb PFOA-related substances: less than 1,000ppb	
35	Decabromodiphenyl ether (DecaBDE)	None intentionally added	

36	Phenol, isopropylated phosphate(3:1) (PIP(3:1))	None intentionally added
37	2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	None intentionally added
38	Hexachlorobutadiene (HCBD)	None intentionally added
39	Pentachlorothiophenol (PCTP)	None intentionally added

List of Prohibited Chemical Substances

No.	Chemical substance (group) name	Threshold value
1	Antimony and its compounds	1,000ppm
2	Arsenic and its compounds	
3	Beryllium and its compounds	
4	Bismuth and its compounds	
5	Nickel and its compounds	
6	Selenium and its compounds	
7	Brominated flame retardants (excluding PBBs and PBDEs)	
8	Polyvinyl chloride (PVC)	
9	Phthalic acid esters	
10	REACH regulated SVHCs	

* For details, and for contents which are outside the scope of application, refer to the Guidelines for Prohibited and Controlled Chemical Substances,

4. Request for Survey Cooperation for Procurement of Purchased Components

① Survey response method

The AIPHONE Group has introduced the environment information system using the Internet. We request our suppliers to cooperate for providing information by using this system.

② When to conduct a survey

- 1) In case that the appropriate responses are necessary to newly issued laws domestically in Japan or otherwise in other countries.
- 2) In case that laws in Japan or in other countries are amended.
- 3) In case that AIPHONE requires to do it

③ Survey tool for constituent chemical substances

To register required data, it is necessary to use the entry support tool of chemSHERPA. It is available on the following website.

chemSHERPA : <https://chemsherpa.net/chemSHERPA/english/>