



文件修訂歷程 Revision history of document

版次 Rev.	生效日期 Eff. Date	提案者 Issued By	變更說明 Description of Change
A	2010/01/15	張秀婉	新建立
B	2010/06/01	張秀婉	1.新增英文版 2.全文修改：5.1 權責、7.2 有害物質管制作業、7.4 不合格品管制、7.5 文件管理、修改有害物質不使用保證書增加新竹園區分公司、新增有害物質測試報告管制一覽表、新增 HS 識別章 3.針對 Sony SS-00259 ver.9 及 REACH SVHC 新公佈候選清單 (1)修改 7.1 有害物質管理清單
C	2010/10/12	張秀婉	1.修改 7.1 及附件二，增加 REACH 第三批清單及允許濃度 2.修改有害物質不使用保證書(B)
D	2011/05/09	張秀婉	依 Sony SS-00259 ver.10 及 REACH SVHC 第四批清單 全文修改
E	2011/07/28	張秀婉	增加 REACH SVHC 第五批清單
F	2011/09/23	陳志銘	修改 7.5.1(d) 有害物質測試報告到期前通報機制
G	2012/03/28	張秀婉	1.原 2.2 術語定義搬移至現在 5.2 術語定義 2.新增 7.5.1(c2)(c3)MCD/MSDS 文件管理規定 3.修改附件一鉛物質 Level2 轉移 Level1 4.新增附件二 REACH SVHC 第六批清單
H	2012/04/18	張秀婉	1.修改 Sony SS-00259 ver.11 變更內容
I	2012/09/28	張秀婉	1.修改附件二 REACH SVHC (a)新增第七批清單 (b)刪除原項目 57 Aluminosilicate Refractory Ceramic Fibres 併入項目 17；刪除原項目 54 Zirconia Aluminosilicate Refractory Ceramic Fibres 併入項目 29 2.修改“有害物質測試報告管制一覽表” 3.修改 7.5.2 異常反饋作業
J	2013/10/25	張秀婉	1.修改 3.2RoHS 指令編號、3.8 SS-00259 版本編號 2.刪除 3.4~3.6 相關文件名稱 3.修改業務單位、研發單位、品保單位權責 4.修改 5.2.6 無鹵零件術語定義，刪除 5.2.10MCD 5.新增 5.3 物質污染風險等級定義 6.修改 7.1 有害物質管理項目及增加附件 SVHC 第八/九批物質 7.新增 7.2 有害物質標準來源、修改 7.3 有害物質管制作業

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K	2014/01/24	張秀婉	修改增加附件 SVHC 第十批物質
L	2014/06/27	張秀婉	修改 Sony SS-00259 ver.13 內容
M	2014/08/06	張秀婉	1.修改增加附件 SVHC 第十一批物質 2.修改 7.5.1(d1)有害物質檢測實驗室資格
N	2015/07/01	張秀婉	修改增加附件 SVHC 第十二批物質
O	2015/10/05	張秀婉	1.修改增加附件 SVHC 第十三批物質 2.修改 Sony SS-00259 ver.14 內容 3.新增 RoHS 2.0 禁用物質
P	2016/03/04	陳文莉	1.修改附件四 REACH SVHC 清單，增加第十四批物質 2.新增 9 記錄保存規定 3.修改表單 YT03-QA-016-03 有害物質測試報告管制一覽表
Q	2016/07/25	陳文莉	修改附件四 REACH SVHC 清單，增加第十五批物質
S	2017/03/29	陳文莉	修改附件四 REACH SVHC 清單，增加第十六批物質
T	2017/06/28	陳文莉	修改 Sony SS-00259 ver.15 內容
U	2017/08/18	陳文莉	修改附件四 REACH SVHC 清單，增加第十七批物質
V	2017/08/30	陳文莉	修改 5.2.9、7.5.1、附件一、附件二 術語定義(MSDS→SDS)
W	2018/03/05	陳文莉	修改增加附件 SVHC 第十八批物質、7.3.1(b) XRF 規格
X	2018/06/04	陳文莉	1.修改 Sony SS-00259 ver.16 內容 2.刪除 7.1 之第 57 項(二苯胺、苯乙烯和 2,4,4-三甲基戊烯的反應物(BNST))管制物質 3.修改六溴環十二烷(HBCDD)之允許限值 4. 修改特定鄰苯二甲酸鹽(*SVHC) Specific phthalates (DEHP、DBP、BBP、DIBP)之等級規定 5.修改表單 YT03-QA-016-01 和 YT03-QA-016-03 條文版本
Y	2018/07/10	張秀婉	1.調整 5.3、7.3.1 對於風險定義與管理 2.補強 7.3.2、7.3.3、7.3.4 作業細節 3.增加 7.7 人員能力、附件七 IEC/PAS 62596 Annex B 材料風險等級、AOI/ATE-部件與風險清單(YT03-QA-016-06)
Z	2018/08/30	陳文莉	修改附件四 REACH SVHC 清單，增加第十九批物質。
AA	2019/05/14	陳志銘	1.修改附件四 REACH SVHC 清單，增加第二十批物質 2.修改 Sony SS-00259 ver.17 內容
AB	2019/09/03	陳文莉	1.修改附件四 REACH SVHC 清單，增加第二十一批物質。
AC	2020/03/03	陳文莉	1. 修改附件四 REACH SVHC 清單，增加第二十二批物質。



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AD	2020/08/24	陳文莉	1.修改附件四 REACH SVHC 清單，增加第二十三批物質。
AE	2020/11/26	胡純純	1.新增相關文件:3.11 教育訓練程序、5.2 教育訓練執行內容 2.新增 5.1.5(d)說明此表單的使用時機與管理方式，8.14 客戶 HSF 紀錄管制一覽表(YT03-QA-016-07).
AF	2021/09/08	劉雅惠	1.修改附件四 REACH SVHC 清單，增加第二十四&二十五批物質 2.修改 3.8 SS-00259 變更為 SS-00259 第十九版
AG	2022/02/08	彭馨慧	1.修改 7.1 項目 59；8.4 附件四項目 10，HBCDD < 80ppm 2.新增 8.4 附件四項目 220~223，REACH SVHC 清單，增加第二十六批物質
AH	08/05/2022	姜芳莉	1.修改 3.8 SS-00259 變更為 SS-00259 第二十版 2.新增 8.4 附件四項目 224，REACH SVHC 清單，增加第二十七批物質 3.修改進版表單-不使用衝突礦產政策聲明書 YT03-QA-016-05
AI	03/07/2023	楊雅娟	1. 修改 8.3 有害物質的主要管制對象和禁止供貨時期(附件三)，增加礦物油管制物質 2. 修改 8.4 REACH SVHC 清單(附件四)，增加 SVHC 第二十八批物質 3. 修改 7.1 有害物質管理項目，REACH SVHC 233 items，及增加礦物油管制
AJ	07/19/2023	楊雅娟	1.修改 3.8 零部件和材料中的環境管理物質 SS-00259 第二十一版 2. 修改 5.3.11 增加雲母項目 3. 修改 7.1 第 59 項 REACH SVHC 增加至 235 項 4. 修改 8.4 REACH SVHC 清單(附件四)，增加 SVHC 第二十九批物質 5. 修改 8.12 衝突礦產政策聲明書 YT03-QA-016-05
AK	09/19/2023	楊雅娟	1. 新增 7.5.1 (d2) 當測試報告超過有效期限時，如客戶有特殊要求，需另外提供相關證明書
AL	05/15/2024	楊雅娟	1.增加 3.10 美國有毒物質控制法(TSCA) 2.修改 3.11、3.12 序號 3.增加 7.1 有害物質管理項目，增加 62-64 管制項目



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AM	10/16/2024	楊雅娟	4.增加及修改附件三項目 5.增加附件四 REACH SVHC 清單，增加至 240 項 6.修改附件六內容 1.全文 review 並調整內文使得符合現況



***** 目 錄 *****

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1 目的 Purpose：

- 1.1 針對久元指定列入禁限用物質管理之綠色產品，包含成品、半成品、零部件、設備及原物料等，所含的環境管理物質，依據本規範進行管制 (1) 禁止及限制使用物質、(2) 計劃廢除物質、(3) 削減物質，以達到下列目的：

The green product that including finished-product, semi-product, parts, materials and machines would be controlled and managed with this specification by YTEC, and be taken actions such as (1) hazardous and controlled substances, (2) planned to ban substances, (3) make reducing plan, to achieve objectives as below:

- 1.1.1 防止混入禁用物質；
Avoid to use banned substance.
- 1.1.2 遵守法令及符合客戶要求；
Obey the regulations and customers' request.
- 1.1.3 減輕對生態影響；
Mitigate the influence of environment.

2 範圍 Scope：

- 2.1 本規範適用於久元顧客委託代工產品以及自行研發銷售產品中所含之禁限用環境管理物質，具體而言包含下列材料：

This specification is suited to OEM service group and Own-product group, and including parts and materials as below:

- 2.1.1 直接材料：用於產品組裝的所有零件材料，例如元件(assemblies)、附件(attachments)、零元件(parts)、部件(components)、材料(materials) ... 等；

The parts for assembly product, for example: assemblies, attachments, parts, components, materials...etc..

- 2.1.2 間接材料：生產與維修過程中所使用的加工材料，例如油墨、助焊劑、潤滑劑... 等；

The sub-materials that used in production and maintenance processes, for example: ink, soldering flux, lubricant...etc..

- 2.1.3 產品的包裝材料；

Packaging materials.

- 2.1.4 模治具及輔助材：生產與維修過程中所使用，並會與產品接觸的模具、工具、輔助生產作業之材料均屬之，例如：手套、探針...等。

Tooling, Jig and Kit: The tools or materials that be used in production and maintenance processes would be attached the product, for example: glove, probe...etc..

- 2.1.5 與生產無關之化學物料，以及客戶客供料不在本管制範圍。

Excluding the chemicals unconcerned with production, and the materials that customer provided.



3 相關文件 Related Documents：

3.1 廢電機電子設備回收指令 (WEEE, 2012/19/EC)

Directive on the Waste Electronics and Electrical Equipment

3.2 電機電子設備有害物質限用指令(RoHS, 2011/65/EU)、(EU) 2015/863

The Restriction of the use of certain Hazardous Substances in electrical and electronic equipment

2015年6月4日新增4項物質,所有電子電器產品(除醫療設備和監控設備)自2019年7月22日起需滿足新要求,醫療設備和監控設備自2021年7月22日起需滿足新要求。

On 4 June 2015, the EU commission has published a new Directive (EU) 2015/863 to amend Annex II to EU RoHS 2 (Directive 2011/65/EU) to add the following 4 phthalates onto the list of restricted substances.

DEHP, BBP, DBP and DIBP are primarily used as plasticisers to soften plastics. They will be restricted from 22 July 2019 for all electrical and electronic equipment apart from Category 8 (medical devices) and Category 9 (monitoring and control equipment) that will have an additional two years to comply by 22 July 2021.

3.3 包裝材與包裝材廢棄物指令(PPW, 94/62/EC, 2004/12/EC)

Packaging and Packaging Waste

3.4 化學物品的註冊、評估、授權與限制法令(REACH, 1907/2006/EC)

Registration Evaluation and Authorization of Chemicals

3.5 SONY 零部件和材料中的環境管理物質條款：SS-00259 最新版要求。

SONY SS-00259 latest version: Management Regulations For The Environment-Related Substances to Be Controlled Which Are Included in Parts and Materials.

3.6 客戶綠色規範。

Customer's spec. for Green product.

3.7 教育訓練程序.....(YT02-AD-004)

Training Procedure

3.8 供應商管制程序.....(YT02-QA-007)

Training Procedure

4 設備/材料 Equipment/Material：

4.1 無。Nil.

5 要求事項 Requirement：

5.1 權責 Responsibility：

5.1.1 業務單位 Sales unit：

(a) 負責接收、傳達來自於客戶的相關要求，並傳達予公司內部。

Responsible to receive, transform the requests form customers and Communicated to the company's internal.



(b) 針對於自有產品事業單位，需再負責收集產品計劃銷售地關於有害物質相關法規。

For Own Product BU, also responsible for collecting sales to product planning Regulations on hazardous substances.

5.1.2 採購單位：負責溝通與協調供應商配合本管制規範。

Purchase unit: responsible to communicate to suppliers to follow YTEC spec.

5.1.3 生管單位：負責溝通與協調製程外包商配合本管制規範。

PC unit: responsible to communicate to subcontractors to follow YTEC spec.

5.1.4 研發單位 R&D unit：

(a) 於產品開發階段應避免使用禁限用物質。

Responsible to avoid to use Hazardous Substance in design phase.

(b) 於開發案中建立禁限用物質使用標準。

In development projects to establish standards of hazardous substances.

5.1.5 品保單位 QA unit：

(a) QS 負責解讀國際環境法規及客戶相關要求，並適時更新本管制規範。

QS Study national environmental regulations or customers' requests, and update This specification timely.

(b) QC 按此管制規範進行進料檢驗、製程管制及出貨檢驗等事宜，並負責依本管制規範審核與確認供應商所提交之佐證資料以進行材料承認。

QC Control the HSF quality of incoming, process, outgoing according to this Specification. Review the information offered by suppliers conformed with this Specification or not.

(c) QA 負責材料及外包商風險等級評估。

QA Responsible to estimate risk of material and outsourcing.

(d) QS 負責確認客戶相關 HSF 文件，並將資料記錄於"客戶 HSF 記錄管制一覽表"(YT03-QA-016-07)，並適時更新。

QS Responsible for confirming the customer's HSF documents, and including the data recorded in the "Customer HSF Record Control List" and update.

5.1.6 久元之供應商及外包商：提供符合本規範之產品及所需資料。

Provide products and related reports satisfied the requirements of this specification.

5.2 教育訓練執行 The execute of training：

針對環境有害物質**相關管理**之課程，須每年列為必上課程之一。

Courses on the management of environmentally hazardous substances, must be listed as one of the required courses for every year.

5.3 術語定義 Terminology definition：

5.3.1 有害物質 HS (Hazardous Substance)：

在成品、半成品、零部件、及原物料等所含有的物質中，有對地球環境和人體存在顯著影響的物質。



Hazardous Substances are the substances contained in finished-product, semi-products, parts, and materials that have significant environmental-impact on both humans and the global environment according to YTEC and its customer's judgment.

5.3.2 均質材料：由一種或多種材料組成，用機械方法不能再分成不同成份的物料。均質材料有均勻的成份構成或形態。

Homogeneous Materials: mean that the smallest unit of a material that can not be separated through mechanical means. Homogeneous Materials shall be the same in every portion of a material.

5.3.3 含有：係指無論有意或無意，在產品裡使用的材料、零部件、原物料中，添加、填充、混入或黏附該物質(包括在產品中無意地加入該物質，或製程中無意加入，均視為含有)。

Contained: An "Contained" is a situation in which a substance is added to, is blended with, fills up, or adheres to;

(a) The parts or devices employed in products, or

(b) The materials used for the parts or devices, regardless if the situation is intentionally created or not.(When a substance is unintentionally contained in, or added to processing process, this situation is also regarded as "Contained".)

There are substance called Doping Agents) that are intentionally added to manufacture semiconductor devices, etc. They are not

5.3.4 意圖添加：為了達到特定的特性、外觀、性質、屬性和品質，通過有意圖的添加、填充、混入、和附著，使物質殘留在產品的零部件、設備以及其所使用的材料中。

Intentionally added : "Intentionally added" means a situation where a substance is contained in the part, device, or its materials because of deliberate addition, filling, blending, or adhesion, in order to provide a specific characteristic, appearance, property, attribute or quality.

(a) 存在於天然材料中；在精製過程中，技術上不能完全去除的物質(如天然雜質)，或在合成反應過程中產生，而在技術上不能完全去除的物質，不屬於「意圖添加」。

There are substances called "impurities," the name of which is used to distinguish them from main materials. If they are used for the purpose of changing the characteristics of a material such as alloy and plastic, they are treated as "Intentionally added."

(b) 製造半導體設備等的滲雜物，在半導體設備裡是極其微量的殘存時，不屬於「意圖添加」。

Dopants (Doping Agents) for production of semiconductor devices, etc. are not treated as "Intentionally added" if present in the devices in a very small amount.

5.3.5 無鹵：材料的均質材料中溴及氯的最大濃度為 900ppm，且溴與氯之總和最大濃度為 1500ppm。

Halogen Free: The allowable concentration of Br or Cl is under 900ppm respectively, and the total concentration of Br and Cl is under 1500ppm.



5.3.6 SVHC：REACH 之高度關注物質。包括：

Substance of High Very Concern for REACH, includes:

- (a) CMR：1 類和 2 類的致癌性致畸性
Carcinogenic, Mutagenic or toxic to Reproduction
- (b) PBTs：持久性、生物蓄積性物質
Persistent Bioaccumulative Toxic substances
- (c) vPvB：高持久性、高生物蓄積性物質
Very Persistent and very bioaccumulative substances
- (d) Eds：內分泌干擾物質
Endocrine Disrupting Chemicals

5.3.7 安全資料表 SDS：Safety Data Sheet

5.3.8 容許標準：管制要求的條件或數值範圍。

Criteria：“Criteria/threshold level” is a condition or a numerical value.

5.3.9 衝突礦產：錫(Sn)、鉭(Ta)、鎢(W)、金(Au)、鈷(Co)、鈀(Pd)、雲母等金屬來自剛果民主共和國及其鄰近國家受武裝團體控制之礦區所開採皆屬之。

Conflict Mineral: Tin (Sn), Tantalum (Ta), Tungsten (W), Gold (Au), Cobalt (Co), Palladium (Pd) and Mica, are drifted from the mines of the Democratic Republic of Congo (DRC) and its neighboring countries.

5.3.10 本文件”供應商”一詞包含使用於產品及服務的材料供應商、治工具供應商、外包商。

Supplier: including the suppliers and outsourcing that provide materials and tools used in products and manufacturing process.

5.4 材料污染風險等級定義 Risk level of pollution for materials and tools：

5.4.1 高風險 High：

- (a) 直接接觸產品且於生產製造過程會釋放、會隨產品出貨、發生客戶綠色抱怨。
Direct contact with the product and will be released during the manufacturing process, will be shipped with the product, and there will be green complaints from customers.
- (b) 未經本公司採購流程之外購品。
Materials and tools were not through YTEC purchasing process.

5.4.2 中風險 Medium：

- (a) 天然微量、生產製造過程可能釋放、會隨產品出貨。
Natural microscale, may be released during the manufacturing process, will be shipped with the product.

5.4.3 低風險 Low：

- (a) 材料可能含有符合本規範濃度標準的有害物質，且材料以物理性方式接觸產品(包含無法證明有化學反應之疑慮者)、或不會直接接觸產品，而不會影響產品本身 HSF 特性者。例如：包裝材料、切割刀片。
The substance content might meet this spec. and be used in physical process or not touch product directly, and not effect HSF of product. Such as packing materials, blade...etc.



6 安全性 Security :

6.1 無。Nil.

7 程序 Procedure :

7.1 有害物質管理項目：

HS substances list:

項目 Item	物質名稱 Substances	容許標準 Limit in ppm	適用範圍 Suit Scope	代工 OEM	自有 產品 Own
1	鉛及鉛化合物 Lead(Pb) and its compounds	1000ppm	全適用 All suit	√	√
2	鎘及鎘化合物 Cadmium(Cd) and its compounds	100ppm	全適用 All suit	√	√
3	汞及汞化合物 Mercury(Hg) and its compounds	1000ppm	全適用 All suit	√	√
4	六價鉻化合物 Hexavalent -Chromium(Cr6+) Compounds	1000ppm	全適用 All suit	√	√
5	鉛+鎘+汞+六價鉻 Lead(Pb)+ Cadmium(Cd)+ Mercury(Hg)+Chromium VI(Cr6+)	合計<100ppm	包裝材類 Packaging materials (參閱附件三 Refer to Appendix 3)	√	√
6	包裝材料塑膠部位之鎘 Packing Materials Rule: Cadmium in plastics and rubbers	<5ppm	塑膠(含橡膠)、塗 料、樹脂和墨水 Plastic, coating, resin, Ink	√	√
7	多溴聯苯類(PBBs)	1000ppm	全適用 All suit	√	√
8	多溴聯苯醚類(PBDEs)	1000ppm	全適用 All suit	√	√
9	鄰苯二甲酸二(2-乙基己基)酯 Bis(2-ethylhexyl) phthalate (DEHB)	1000ppm	全適用 All suit	√	√
10	鄰苯二甲酸丁酯苯甲酯 Butyl benzyl phthalate (BBP)	1000ppm	全適用 All suit	√	√
11	鄰苯二甲酸二丁酯 Dibutyl phthalate (DBP)	1000ppm	全適用 All suit	√	√



12	鄰苯二甲酸二異丁酯 Diisobutyl phthalate (DIBP)	1000ppm	全適用 All suit	V	V
13	聚氯乙烯(PVC)及聚氯乙烯混合物 PVC and PVC blends	禁止 Banned	全適用 All suit	V	V
14	氯 Chlorine(Cl)	<900 ppm	全適用 All suit	V	V
15	溴 Bromine(Br)	<900 ppm	全適用 All suit	V	V
16	氯 Chlorine(Cl)+ 溴 Bromine(Br)	<1500 ppm	全適用 All suit	V	V
17	全氟辛烷磺酸鹽 Perfluorooctane sulfonate (PFOS)	1000ppm	標籤紙、紙箱、 墨水 Paper, box, ink	V	
18	全氟辛酸及其鹽及酯 Perfluorooctanoic acid(PFOA) (*SVHC) and individual salts and esters of PFOA	1000ppm	標籤紙、紙箱、 墨水 Paper, box, ink	V	
19	二氯化鈷(7646-79-9) Cobalt dichloride	禁止 Banned	濕度指示卡、乾 燥包 Humidity Indicator card, desiccant bag	V	
20	富馬酸二甲酯 Dimethylfumarate (DMF)	禁止 Banned	全適用 All suit	V	
21	芳香烴礦物油 (Mineral oil aromatic hydrocarbons , MOAH)	(A)材料中芳香烴礦物油 (MOAH)(1~7個芳香環)，濃度不得超過 1000ppm (0.1%) Mineral Oil Aromatic Hydrocarbons) (MOAH)(1-7 aromatic rings) , More	油墨、包裝材料、各類印刷品。 Ink、packaging material、printing intended for the public	V	



		than 1000ppm (0.1%) of the parts. (B)材料中芳香煙礦物油(MOAH)(3~7個芳香環)，濃度不得超過 1ppm (0.0001%) Mineral Oil Aromatic Hydrocarbons(MOAH)(3-7 aromatic rings) , More than 1 ppm (0.0001%) of the parts.			
22	飽和煙礦物油 (Mineral oil saturated hydrocarbons , MOSH)	材料中 16 至 35 個碳原子組成的飽和煙礦物油 (MOSH) , 濃度不得超過 1000ppm (0.1%) 。 MOSH (C16-C35), More than 1000ppm (0.1 %) of the parts.	油墨、包裝材料、各類印刷品。 Ink、packaging material、printing intended for the public	V	
23	TSCA 五項持久性生物累積毒性物質(PBTs)管控 five persistent bioaccumulative toxic substances (PBTs) : (1) 2,4,6-參(三級丁基)苯酚 2,4,6-tris (tert-butyl) phenol (2,4,6-TFBP) (2) 六氯丁二烯 Hexachlorobutadiene (HCBd)	禁止 Banned	工業塗料、接著劑、塑膠成品 Industrial coatings, adhesives, plastic products	V	



	(3) 十溴二苯醚 Decabromodiphenyl ether (DecBDE) (4) 異丙基化磷酸三苯酯 Phenol, isopropylated phosphate(3:1) (PIP (3:1)) (5) 五氯苯硫酚 Pentachlorothiophenol(PCTP)				
24	全氟辛烷磺酸氟,PFAS Perfluorooctane sulfonate	禁止 Banned	全適用 All suit	V	
25	歐盟對化學品管制法規-高關 主物質(REACH SVHC)最新 版要求。 EU regulations on chemicals control, the latest REACH SVHC limits requirements.	1000ppm	全適用 All suit	V	
26	SONY 零件和材料中的環 境管理物質條款：SS-00259 最新版要求。 SONY SS-00259 latest version: Management Regulations For The Environment-Related Substances To Be Controlled Which Are Included In Parts And Materials.	參考 SS-00259 管制標準 Refer to SS-00259 Technical standards	全適用 All suit	V	
27	中國揮發性有機物標準 China VOC	1.工業防護塗 料中有害物質 限量 Limit of harmful substances of industrial protective coatings.(GB 30981-2020) 2.膠黏劑揮發 性有機化合物 限量 Limit of volatile organic compounds in adhesive.(GB 33372-2020)	塗料、膠粘劑、 油墨、清洗劑(均 質材料及包材) Industrial protective coatings, printing ink, adhesive and cleaning agents in homogeneous material/packagin g materials.	V	



		<p>3.清洗劑揮發性有機化合物含量限值 Limit of volatile organic compounds content in cleaning agents.(GB 38508-2020)</p> <p>4.油墨中可揮發性有機化合物(VOCs)含量的限值 Limits of volatile organic compounds (VOCs) in printing ink.(GB 38507-2020)</p>		
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7.2 有害物質標準來源 HS standard resourcing :

7.2.1 公司基本標準 YTEC’s basic standard :

- (a) 自有產品的有害物質標準應符合歐盟 RoHS 指令要求。
Own Product BU should satisfy the requirement of EU RoHS.
- (b) 代工事業單位之有害物質標準應符合本規範要求，及客戶規範要求。
OEM Service BU should satisfy the request of this spec, and customer specification requirements.

7.2.2 自有產品銷售地法規：產品開發或銷售評估前，應考量市場銷售地環保法規，故由業務單位依據“法規鑑定管理程序”(YT02-VP-003)進行銷售市場法規鑑定與分析，以確保後續產品能符合當地法規，避免觸法。

Regulations of sale area: Sales unit should gather and analyse regulations according to “Statute Authentication Management Procedure”(YT02-VP-003) before product development and sale planning.

7.2.3 客戶規範：依據“合約審查程序”(YT02-SM-001)、“半導體新專案執行暨品質規劃作業程序”(YT02-QA-020)、“新專案執行暨品質規劃管理程序”(YT02-QA-120)，於簽訂合約或新客戶導入之前，業務單位應主動與客戶了解，是否有對供應商之有害物質相關規定，以及客戶產品中有害物質使用狀況；若客戶沒有此類規範，業務需主動告知客戶本公司有害物質標準。

Customer’s spec.: According to “Contract Review Operation Procedure”(YT02-SM-001), “Semiconductor New Project Fulfillment and Quality Planning and Management Procedure”(YT02-QA-020),” New Project Fulfillment



and Quality Planning and Management Procedure” (YT02-QA-120) Sales unit should communicate HS related rule and HS status in Product with customer before take order or bring in new customer. If customer has no HS request, Sales unit should inform them YTEC’s HS standard.

7.3 有害物質管制作業：The control operation of HS:

7.3.1 供應商管制 Supplier and outsourcing control：

- (a) 因本公司未設置有害物質專用檢測儀器，材料風險依據 5.4 定義管理，供應商風險分級方式請參閱“供應商管制作業程序”(YT02-QA-007)，各風險等級之供應商依據附件一或附件二提交綠色供應商承認資料，以確保供應商綠色製程能力之能符合本公司要求。

YTEC doesn’t set HS test instruments and in order to ensure that capability of suppliers and outsourcings could satisfy our request, our risk management for materials and tools is according to 5.4. The risk management for suppliers is according to ‘Supplier Control Procedure’ (YT02-QA-007). For each risk level of suppliers, YTEC would take control methods and gather HS information referred to attachment 1 or attachment 2.

- (a1) 自有產品事業部請參閱附件一自有產品事業部有害物質管制作業表。

Own Product BU please refer to attachment 1 that “Own Product BU – Hazardous Substance Control Worksheet”.

- (a2) 代工事業部請參閱附件二代工事業部有害物質管制作業表。

OEM Service BU please refer to attachment 2 that “OEM Service BU – Hazardous Substance Control Workshee”t.

- (b) 本公司可接受廠商之 XRF 檢測報告，但當檢測結果符合任一項 Br/Cl/Hg/Pb/Cr>700ppm, Cd>70ppm 時，報告判定不允收，供應商需另再送第三檢測單位確認。

YTEC accepts XRF report. If test result of anyone over the spec.

(Br/Cl/Hg/Pb/Cr>700ppm, Cd>70ppm, the XRF report would be reject, and the supplier should send the material to third-party confirm.

- (c) 供應商產品經品保單位判定屬於有害物質產品時，由品保單位登錄於“有害物質材料清單”(YT03-QA-016-04)。

If the material is HS product after judging, QA unit should register in “HS list”(YT03-QA-016-04).

- (d) 本公司收到供應商有發生影響 HSF 品質之零件或材料變更通知時，應重新評估其風險等級。

If supplier or outsourcing informs the change related HSF quality or material, YTEC should estimate the risk level again.

- (e) REACH SVHC 限用物質要求：供應商供貨材料或製造過程中若有使用到



REACH 高度關注物質(附件四)，不管濃度為多少皆應主動告知。

The request for REACH SVHC: Supplier should inform YTEC actively if SVHC (see the Attachment 4) would be used in products or production process.

- (f) 當供應商進行材料變更時(包含材料 HSF 屬性之變更)，需先檢附新材料之合格危害物質檢測報告並通知久元，待久元同意後始可變更。由久元內部(YT02-QA-004)“工程變更管制程序”處理。

As any material changes (including HSF characteristic change), suppliers shall provide qualified hazardous substances test report of new material to inform YTEC. And the new change shall not be phased in until YTEC approval. YTEC follows "Engineering Change Control Procedure" (YT02-QA-004).

7.3.2 製程管制作業 Process control :

- (a) 製程污染鑑別：由各流程及作業負責人依“環境考量面管理程序”(YT02-VP-001)做製程汙染評估，鑑別結果填寫於“有害物質鑑別登錄表”(YT02-VP-001-07)。

HS identification of production: The owner of each process flow or operation shall make HS identification and fill the result in “Hazardous Substances Identification Sheet” (YT02-VP-001-07) according to “Environment Aspects Management Procedure” (YT02-VP-001).

- (b) 當有害物質材料或產品進貨時，應加以標示並依各製程有害物質生產管制作業執行。

When material or product that contains HS over standard incoming, YTEC should mark it and follow HS production operation.

7.3.3 客戶產品管制 Customer' product control :

- (a) 於新客戶及新產品導入前，業務或品保單位即需主動與客戶瞭解客戶產品中有害物質使用狀態。如客戶回覆其產品中含有本規範或客戶規範所訂有害物質，業務或品保單位應將產品品號登錄於“有害物質材料清單”(YT03-QA-016-04)並宣達至工程、採購、資材、製程單位。

Sales or QA unit should confirm the HS status in product with customer before bringing in new customer and new product. If the product has HS over YTEC's Or customer' standard, Sales or QA unit should register the product name into "HS list" (YT03-QA-016-04) and notice to Engineering, Purchase, Material Management, Production Control, Warehouse, Production, Integration units.

7.3.4 分類、標示 Classification and identification :

- (a) 依據本公司製程型態及產業技術，本公司將產品的有害物質分類如下，並分別標示於流程卡、製令單、材料、產品、設備、治工具、儲存區域上以便於管理：

According to process and industry technology, YTEC would classify the products as below, and take a stamp on run card, order, material label, product label,



equipment, tool, and storage area respectively.

(a1) 綠色產品：有害物質判定結果能符合本規範者，綠色產品不做標示。

Green product: HS status satisfy YTEC's standard, and not to mark.

(a2) 含鹵產品：只適用於代工產品。有害物質判定符合 RoHS 但含有超量鹵素(Cl, Br)者，加蓋以下 HS 識別章(含鹵)。

Halogen product: Applicable for OEM service BU. HS status satisfy RoHS but contain Cl or Br that over spec., stamp HS stamp (Halogen).



(a3) 含鉛產品：有害物質判定含有超量鉛(Pb)者，加蓋以下 HS 識別章(含鉛)。
Pb product: Contain Pb that over spec., stamp HS stamp (Pb).



(a4) 含砷產品：只適用於代工產品。有害物質判定含有超量砷(As)者，加蓋以下 HS 識別章(含砷)。

As product: Applicable for OEM service BU. Contain As that over spec. Stamp HS stamp (As).



(a5) 含其他有害物質：若發現材料或產品含有上述外超量有害物質，則加蓋以下 HS 識別章，並手寫含有物質名稱。

Other HS product: Contain other HS that over spec., stamp HS stamp and write HS name by hand.



7.3.5 有害物質之判定，依據 7.1 有害物質管理項目及客戶要求進行管制。

The determination of hazardous substances will be controlled based on 7.1 Hazardous Substances Management Project and customer requirements.

7.3.6 客戶提供之材料尚不依本規範管理。

Materials offered by customer would not be managed with this specification.

7.4 有害物質不合格品管理：The identification of HS and HSF:

7.4.1 異常經品保確定為 HSF 品質不合格時，應依各事業部之不合格品管制程序通知客戶、管理代表及相關單位，進行廠內在製品及庫存品清查與扣留，並依後續處理流程執行。若已出貨至客戶端應追溯出貨批。

If the abnormal events are belonged to HSF quality by QA unit, YTEC should



inform customer, management representative and related units, and check the WIP and storage, and hold abnormal products. The shipped products should be traced.

7.4.2 對於 HSF 品質不合格品須於標籤上加蓋 HS 識別章，與一般品質不合格品區隔管理。

For HSF quality non-conforming products, they should be stamped "HS stamp" and YTEC should separate them from general non-conforming products.

7.5 文件管理：Document Management:

7.5.1 不使用有害物質保證書、廠商自我宣告書、有害物質測試報告與 SDS 由品保處儲存管理。

Declaration of banned substances, supplier's self-declared letter, HS test report and SDS are maintained by QA div.

(a) 不使用有害物質保證書(YT03-QA-016-01、YT03-QA-016-02)：

Declaration for Non-use of Hazardous Substances:

(a1) 供應商應詳讀保證書內容，確認無誤後應將保證書加蓋公司大小章，並傳回久元。

Suppliers and subcontractors should read the contents of declaration particularly, and sign and stamp with the shipper/subcontractor's company Stamp/seal seal, and send back to YTEC.

(b) 廠商自我宣告書：若供應商無法提供保證書，則應提供供應商之自我宣告書。

If suppliers or subcontractors could not use YTEC's declaration, they could offer their self-declared letter.

(c) SDS：

(c1) 供應商應提交資訊正確之 SDS。

Suppliers or Subcontractors should provide correct MCD/SDS to YTEC.

(c2) 供應商若有物質成分變更需求時，應更新 SDS，並向久元提出工程變更。If the suppliers or subcontractors have changes of substances or its component, they should update MCD or SDS and issue ECN to YTEC.

(c3) SDS 應法規規定每三年檢討正確性，若有變更予以更新。

YTEC should reviewed the SDS accuracy and update if it has been modified per three years.

(d) 有害物質測試報告：Test report:

(d1) 有害物質第三檢測單位需通過 ISO17025 認證，如 SGS, Intertek 等，有效期限為自測試日期起為一年，到期前二週前提醒供應商需提交有害物質測試報告，。

The HS test report should make from the licensed Lab. that certified ISO17025, ex. SGS, Intertek etc. HS test reports are valid for one year from test date. Before the due, approximately two weeks reminds the supplier to ahead of time provide the HS test report.

(d2) 應客戶特殊要求，半導體製程所使用包材之測試報告，自測試日期起



算保存十年。當測試報告超過有效期限時，如客戶有特殊要求，需另外提供客戶不使用有害物質保證書(YT03-QA-016-02)，或供應商所提供的自我宣告書。

Customer's special requirement: For semi-conductor process, the test report of packing material should be kept 10 years, and when the test report become overdue, if the customer's special requirement, a certificate of Declaration for Non-use of Hazardous Substances (YT03-QA-016-02), or self-declaration provided by the supplier.

7.5.2 品保單位應判定供應商提供之 HS 證明資料是否符合本規範規格，判定合格之測試報告納入“有害物質測試報告管制一覽表”(YT03-QA-016-03)控管；判定不合格則通知採購單位，並依各事業部不合格程序處理。

QA unit manage the test reports qualified by “HS Test Report Control List” (YT03-QA-016-03). If report unqualified, QA unit should inform to purchase unit and take actions according to Nonconforming procedures.

7.5.3 衝突礦產政策聲明書(YT03-QA-016-05)供應商簽回後由採購單位儲存管理。“Conflict Minerals Policy Declaration”(YT03-QA-016-05) is kept by Purchase unit after signing back.

7.6 衝突礦產：身為良好的企業公民，本公司自當善盡社會責任、尊重人權，並持續關注衝突礦產議題，致力詳實調查供應鏈，要求供應商提供“衝突礦產政策聲明書”(YT03-QA-016-05)並將此要求傳達給其上下游供應商。

Conflict Minerals: As a good corporate citizen, since when the company fulfill social responsibility, respect for human rights, and sustained attention to the conflict minerals issue, to detailed survey of supply chain. YTEC request our supplier provide “Conflict Minerals Policy Declaration”(YT03-QA-016-05) and request its suppliers to notify their upstream and downstream suppliers of such requirements.

7.7 人員能力 Competence：

7.7.1 負責 HSF 作業之相關人員能力要求如下：

The competence of persons for HSF related work is as below:

	工作範圍 Job function	能力要求 Competence
新產品導入負責人 APQP Leader	1. 鑑別、瞭解及引用適用的 HSF 法律及客戶要求 Identify, understand, and refer suitable HSF regulations and customers' requirement. 2. 依法規或客戶要求準備 HSF 文件 Prepare HSF documented information according to requirement from regulations or customers.	1. 了解相關 HSF 法規 Understand HSF regulations and laws 2. 了解本規範 Understand this spec.



業務 Sales	1.鑑別、瞭解及引用適用的 HSF 法律及客戶要求 Identify, understand, and refer suitable HSF regulations and customers' requirement. 2.依法規或客戶要求準備 HSF 文件 Prepare HSF documented information according to requirement from regulations or customers. 3.與客戶溝通 HSF 符合性 Communicated with customers.	1.了解相關 HSF 法規 Understand HSF regulations and laws 2.了解本規範 Understand this spec.
品保 QA	1.供應商管理，包含 GP 資格認可，適宜時執行 HS 測量 Supplier management, including GP approval and HS measurement. 2.HSF 材料承認 HSF materials approval. 3.與客戶或外部單位溝通 HSF 符合性 Communicated with customers or external units. 4.依法規或客戶要求準備 HSF 文件 Prepare HSF documented information according to requirement from regulations or customers.	1.了解相關 HSF 法規 Understand HSF regulations and laws 2.了解本規範 Understand this spec. 3.具備 QC080000 稽核員資格 Pass the QC080000 auditor qualification
工作範圍 Job function		能力要求 Competence
採購 Purchaser	1.供應商管理 Supplier management. 2.與供應商或外部單位溝通 HSF 符合性 Communicated with suppliers or external units.	1.了解相關 HSF 法規 Understand HSF regulations and laws
生管 PC	1.供應商管理 Supplier management. 2.與供應商或外部單位溝通 HSF 符合性 Communicated with suppliers or external units.	2.了解本規範 Understand this spec.
生產 Production	生產流程 HS 風險分析 HS risk identified and analysis for production processes.	了解有害物質鑑別作業並已理解 HS 污染風險 Understand HS identification operation and the risk of HS pollution
研發 RD	1.HSF 產品設計開發 HSF products design and development.	1.了解 HSF 產品設計開發程序



	2.HSF 材料承認 HSF materials approval.	Understand HSF design rule. 2. 了解相關 HSF 法規 Understand HSF regulations and laws 3. 了解本規範 Understand this spec.
HSPM 體系稽核員 HSPM auditor	執行 IECQ QC080000 稽核 IECQ QC080000 auditors	依內部稽核程序 (YT02-QA-005)之 QC080000 內部稽核員要求 Refer to 'Internal Audit Operation Procedure'(YT02-QA-005)

7.7.2 當本程序有變更時，應發佈公告至相關人員。

If this spec. modified, an announcement be made to relevant personnel.

7.8 其他注意事項 Others：

7.8.1 如果客戶有特定的環境技術標準要求，應遵守最終客戶的要求。

YTEC should meet the final customer's requests if they have specials about environment technical standards.

7.8.2 回收料使用注意事項：使用再生材料時，需符合部品材料規格，應確保其未混入其他化學物質。

The attention of recycling materials: When using the recycling materials, YTEC should conform to the material spec. to ensure that didn't mix with other chemicals without control.

8 附件 Attachments：

8.1 自有產品事業部有害物質管制作業表(附件一)

Own Product BU – Hazardous Substance Control Worksheet (Attachment 1)

8.2 代工事業部有害物質管制作業表(附件二)

OEM Service BU – Hazardous Substance Control Worksheet (Attachment 2)

8.3 包裝材料明細(附件三)

Packaging Materials List (Attachment 3)

8.4 有害物質不使用保證書(A).....(YT03-QA-016-01)

Declaration for Non-use of Hazardous Substances (A)

8.5 有害物質不使用保證書(B).....(YT03-QA-016-02)

Declaration for Non-use of Hazardous Substances (B)

8.6 有害物質測試報告管制一覽表.....(YT03-QA-016-03)

HS Test Report Control List



8.7 有害物質材料清單..... (YT03-QA-016-04)

HS List

8.8 衝突礦產政策聲明書.....(YT03-QA-016-05)

Conflict Minerals Policy Declaration

8.9 AOI/ATE-部件與風險清單.....(YT03-QA-016-06)

AOI/ATE Parts and risk list

8.10 客戶 HSF 記錄管制一覽表..... (YT03-QA-016-07)

Customer HSF Record Control List

9 記錄保存 Record Retention：

9.1 8.4、8.5 由品質系統單位保存至廠商中止交易後 3 日曆年；8.8 由採購單位保存至該供應商資格取消為止；8.6、8.7、8.10 由品質系統單位持續更新；8.9 由研發單位持續更新。

8.4, 8.5 records would be stored by QS unit at least 3 years after stopping business. 8.8 record would be stored by purchase unit supplier qualification cancelled. 8.6, 8.7, 8.10 records would be updated by QS unit continuously. 8.9 records would be updated by QS unit continuously.

自有產品事業部有害物質管制作業表
Own Product BU – Hazardous Substance Control Worksheet

供應商管制項目 Control Item		材料/服務對產品污染等級 Risk Level			對應表單 Form	
		高風險 High	中風險 Medium	低風險 Low		
管制有害物質 HS		Item 7.1 所列自有產品管制物質 HS list in item 7.1				
排外項目 Exemption		依國際法令條文之定義 According international regulations provisions				
Green Supplier Approve Data 綠色供應商承認資料	提交保證書 DNHS	◎	◎	X	有害物質不使用保證書(B) DNHS (YT03-QA-016-02)	
	Test Report 測試報告	提交測試報告 Provide?	◎	◎	◎	(註一)(Remark1) (註二)(Remark2)
		檢測項目 Test Item	鉛(Pb)、鎘(Cd)、汞(Hg)、六價鉻(Cr6+)、多溴聯苯(PBB)、多溴聯苯醚(PBDE)、磷苯二甲酸(DEHP)、磷苯二甲酸丁苯酯(BBP)、磷苯二甲酸二丁酯(DBP)、磷苯二甲酸二異丁酯(DIBP)			
		有效期限 Valid Period	1 年(Year)	3 年(Years)	初次承認時提交 1 次 New Approve	
	SDS	提交 SDS Provide?	化學品必要 Chemicals necessary			
		有效期限 Valid Period	3 年(Years)	3 年(Years)	3 年(Years)	
Supplier Estimate 供應商評鑑	書面評鑑 Paper Audit	1 年 1 次 1 time/1 year	3 年 1 次 3 times/1 year	初次評鑑 New Approve	供應商稽核評鑑表 (YT03-QA-012-06) Supplier audit & evaluate list	
	外包商現場評鑑 Location Audit	3 年 1 次 3 times/1 year	3 年 1 次 3 times/1 year	初次評鑑 New Approve		
Quality Control 品質監控	外包商巡檢 Inspection	1 年 1 次 1 time/1 year	1 年 1 次 1 times/1 year	X	自有產品外包廠系統稽核巡檢表 (YT23-QA-303-02) System Checklist for Own Product Outsourcing	

(註一) 若廠商因故不能提交有效測試報告時，則需提交 SDS，及保證書或自我聲明書。
(Remark1) If supplier couldn't provide valid test report, he should offer Declaration for Non-use of Hazardous Substances or self-declared letter.

(註二) 可接受廠商提交自檢 XRF 報告。(Remark2) Accept supplier's XRF report.

(註三) 各零部件必要提交資料/權責分工與管理對象依據附件"部件與風險清單"展開。未經本公司採購流程之外購品無法提交保證書，允許以測試報告替代。外包打件廠使用高風險物料者，若簽回保證書即可允收，不要求提供測試報告，但須定期稽核。當產品設計變更/材料變更/外包廠/供應商變更須修正部件與風險清單。

代工事業部有害物質管制作業表

OEM Service BU – Hazardous Substance Control Worksheet

供應商管制項目 Control Item		代工製程材料/服務之污染等級 Risk Level			對應表單 Form	
		高風險 High	中風險 Medium	低風險 Low		
管制有害物質 HS		Item 7.1 所列代工管制物質 HS list in item 7.1				
排外項目 Exemption		1. Tape : 排除管制聚氯乙稀(PVC)、氯(Cl)、及 DEHP Tape : Exclude PVC, Cl, DEHP from controls 2. 依國際法令條文之定義 According international regulations provisions				
Green Supplier Approve Data 綠色供應商承認資料	提交保證書 DNHS	◎	◎	X	有害物質不使用保證書(A) DNHS (YT03-QA-016-01)	
	Test Report 測試報告	提交測試報告 Provide?	◎	◎	◎	(註一)(Remark1) (註二)(Remark2)
		檢測項目 Test Item	1.鉛(Pb)、鎘(Cd)、汞(Hg)、六價鉻(Cr6+)、多溴聯苯(PBB)、多溴聯苯醚(PBDE)、氯(Cl)、溴(Br) 磷苯二甲酸(DEHP)、磷苯二甲酸丁苯酯(BBP)、磷苯二甲酸二丁酯(DBP)、磷苯二甲酸二異丁酯(DIBP) 2. 塑膠類包裝材料需加測聚氯乙稀 Plastic packing material: add PVC 3. 濕度指示卡需加測二氯化鈷(7646-79-9) Humidity Indicator card: add tester Cobalt dichloride (7646-79-9)			
		有效期限 Valid Period	1 年(Year)	1 年(Year)	1 年(Year)	
	SDS	提交 SDS Provide?	化學品必要 Chemicals necessary			
		有效期限 Valid Period	3 年(Years)	3 年(Years)	3 年(Years)	
Supplier Estimate 供應商評鑑	書面評鑑 Paper Audit	1 年 1 次 1 time/1 year	3 年 1 次 3 times/1 year	初次評鑑 New Approve	供應商稽核評鑑表 (YT03-QA-012-06) Supplier audit & evaluate list	
	外包商現場評鑑 Location Audit	3 年 1 次 3 times/1 year	3 年 1 次 3 times/1 year	初次評鑑 New Approve		
Quality Control 品質監控	外包商巡檢 Inspection	1 年 1 次 1 time/1 year	1 年 1 次 1 times/1 year	X	供應商稽核評鑑表 (YT03-QA-012-06) Supplier audit & evaluate list	
(註一) 若廠商因故不能提交測試報告時，則需提交 SDS，及保證書或自我聲明書。 (Remark1) If supplier couldn't provide valid test report, he should offer SDS, Declaration for Non-use of Hazardous Substances or self-declared letter. (註二) 可接受廠商提交自檢 XRF 報告。(Remark2) Accept supplier's XRF report.						

包裝材料明細
Packaging Materials List

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包裝材列管清單 Packing materials list		
項次 Item	包裝材 Packing Material	範例 Example
1	紙箱 Carton/Box	
2	緩衝材料 Cushioning material	氣泡布、氣泡袋、泡棉、EPE、海棉 Bubble sheet, Bubble bag, Foam, EPE, Sponge
3	防護帶(布) Protective tape (Cloth)	泡沫塑膠料、Band Foam plastic material, Band
4	塑膠袋 Plastic bag	PE 袋、抗靜電鋁箔袋、金屬真空袋 PE bag, Antistatic aluminum foil bag, Metal vacuum bag
5	吸塑泡殼包裝 Blister packaging	真空成型之泡殼 Vacuum formed bubble shell
6	膠膜 Adhesive tape	藍膜 Blue tape
7	油墨 Ink	紙箱油墨、標籤油墨、印台油墨、任何保包材上油墨 Carton ink, Label ink, Stamp pad ink, Ink on any packaging material
8	隔離板/間隔板 Isolation board/partition board	宣紙、泰維克紙、EPE Rice paper, Tywick paper, EPE
9	膠帶 Adhesive tape	封箱膠帶、美紋膠帶 Scotch tape, Masking tape
10	標籤 Label	QA Seal 封條、出貨標籤 QA Seal Label, Shipping label
11	打包帶 Packing tape	黑色 PP 帶、透明束帶 Black PP tape, Boop film
12	熱收縮膜 Heat shrinkable film	
13	濕度指示卡 Humidity Indicator card	
14	乾燥劑 Desiccant bag	
15	Tray 盤 Tray	
16	Reel	
17	Cover tape	
18	Carrier tape	
19	晶舟盒 Wafer Cassette	
20	晶圓環 Wafer Expander Rings	
21	碳帶 Ribbon	

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有害物質不使用保證書(A)

為因應世界各國環保相關法令要求，立保證書人 _____ (以下簡稱 本公司) 特此保證:提供給久元電子股份有限公司及久元電子股份有限公司新竹園區分公司(以下簡稱「久元電子」) 所有產品或產品生產服務過程中所使用之原物料、溶劑、耗材及包裝材料，均符合國際相關環保法規及久元電子所制定的「綠色產品之禁限用物質管理規範(YT03-QA-016)」所示之管制內容。本公司茲保證提供的檢測結果與資料皆為正確且真實。

當本公司之原材料、製程材料變更時，本公司應主動提供變更通知予久元電子，並提供測試報告或變更報告以佐證不會影響環境危害物質之符合性。

若本公司違反「綠色產品之禁限用物質管理規範(YT03-QA-016)」及本保證書內容，致使久元電子遭受相關機關對久元電子處以罰鍰、罰金、或為其他處分，或久元電子之客戶或其他利害關係人因而對久元電子主張損害賠償或其他權利，致使久元電子遭受損害時，本公司應負損害賠償責任，包括但不限於訴訟費、律師費、商譽損失等。

此致

久元電子股份有限公司及久元電子股份有限公司新竹園區分公司

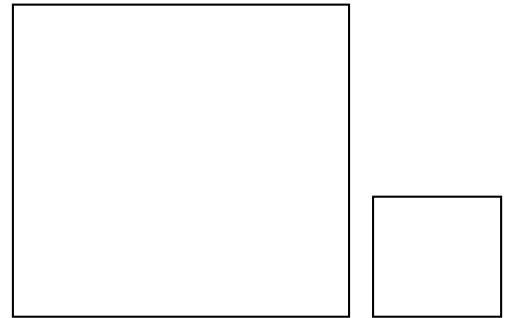
立保證書人：

授權代表：

職務：

公司地址：

日期：



Declaration for Non-use of Hazardous Substances(A)

WHEREAS, _____ (called "We" hereinafter) We hereby declares and guarantees that :
All products and additives in service processes which are provided by us to YoungTek Electronics Corp. and YoungTek Electronics Corp. Science Based Park Branch (hereinafter referred to as "YTEC") shall be complied with the restrictions and non-use requirement under this Declaration.

We ensure the HS content that in raw materials, tools contacted products, solvents, consumables, and packing materials is compliance with relevant international environmental regulations and the "Hazardous Substances for Green Product Management Specification (YT03-QA- 016)". From YTEC's requirement, we shall provide MCD, SDS, and substances test reports, issued by certificated laboratories. All information of the documents are correct and truth.

We must establish changing notification to YTEC once the raw materials were changed. We will also attach test report and changing analysis report to YTEC. It is to prove there is no affect to the compliance of environmentally hazardous substances.

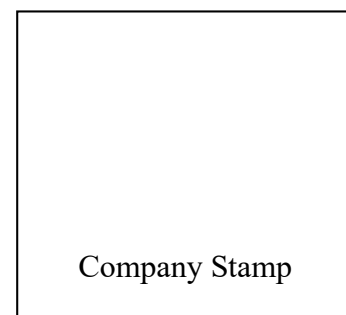
We acknowledge that breach of this guaranty may bring irreparable damages to YTEC and/or its customers. Under such circumstance, YTEC shall be entitled to reject any goods provided by us which contain the substances restricted relevant international environmental regulations, no matter when it is discovered, deduct the amount of damage from any payment(s) due to us, and we shall, within the period requested by YTEC, compensate YTEC and/or its customers for the damages caused therefore, without giving prejudice to any other legal rights of YTEC and/or its customers as stipulated by laws, regulations or any other agreement with us.

Company Name :

Company's responsible :

Address :

Date :



有害物質不使用保證書(B)

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為因應世界各國環保相關法令要求，立保證書人 _____ (以下簡稱 本公司) 特此保證:提供給久元電子股份有限公司及久元電子股份有限公司新竹園區分公司(以下簡稱「久元電子」) 所有環保產品或環保產品生產服務過程中所使用之原物料、溶劑、耗材及包裝材料，均符合 RoHS 環保法規所示之管制內容。本公司茲保證提供的檢測結果與資料皆為正確且真實。

當本公司之原材料、製程材料變更時，本公司應主動提供變更通知予久元電子，並提供測試報告或變更報告以佐證不會影響環境危害物質之符合性。

若本公司違反 RoHS 環保法規及本保證書內容，致使久元電子遭受相關機關對久元電子處以罰鍰、罰金、或為其他處分，或久元電子之客戶或其他利害關係人因而對久元電子主張損害賠償或其他權利，致使久元電子遭受損害時，本公司應負損害賠償責任，包括但不限於訴訟費、律師費、商譽損失等。

此致

久元電子股份有限公司及久元電子股份有限公司新竹園區分公司


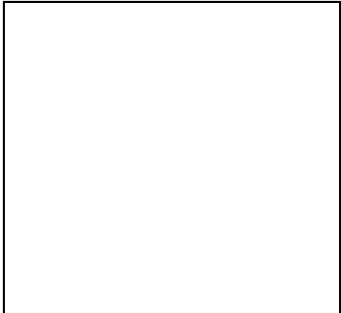
立保證書人：

授權代表：

職務：

公司地址：

日期：



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Declaration for Non-use of Hazardous Substances(B)

WHEREAS, _____ (called “We” hereinafter) We hereby declares and guarantees that :
All green products and additives in service processes which are provided by us to YoungTek Electronics Corp. and YoungTek Electronics Corp. Science Based Park Branch (hereinafter referred to as “YTEC”) shall be complied with the restrictions and non-use requirement under this Declaration.

We will conform to the specification and requirement in detail upon the order issued by YTEC and do not contain the restricted substances pursuant to by EU RoHS (2011/95/EU). We shall provide a substances test report issued by a professional institute for reference, and all of the statement is correct and truth.

We must establish changing notification to YTEC once the raw materials were changed. We will also attach test report and changing analysis report to YTEC. It is to prove there is no affect to the compliance of environmentally hazardous substances.

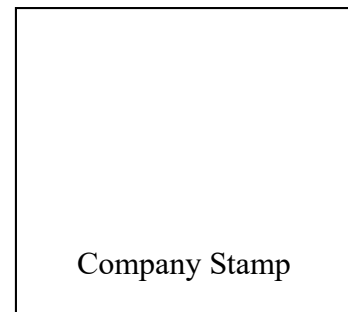
We acknowledge that breach of this guaranty may bring irreparable damages to YTEC and/or its customers. Under such circumstance, YTEC shall be entitled to reject any goods provided by us which contain the substances restricted by EU RoHS (2011/95/EU), no matter when it is discovered, deduct the amount of damage from any payment(s) due to us, and we shall, within the period requested by YTEC, compensate YTEC and/or its customers for the damages caused therefore, without giving prejudice to any other legal rights of YTEC and/or its customers as stipulated by laws, regulations or any other agreement with us.

Company Name :

Company's responsible :

Address :

Date :



不使用衝突礦產政策聲明書

_____(公司名, 以下稱“本公司”)本公司保證本公司及(或)本公司之關係企業所提供給久元電子股份有限公司及久元電子股份有限公司新竹園區分公司(以下簡稱「久元電子」)之零件、元件、材料及成品, 符合「不使用衝突礦產政策聲明書」文件所要求之標準。身為良好的企業公民, 本公司自當善盡社會責任、尊重人權, 並持續關注衝突礦產議題, 致力詳實調查供應鏈, 以確保錫(Sn)、鉭(Ta)、鎢(W)、金(Au)、鈷(Co)、鈀(Pd)、雲母等金屬, 並非透過無政府軍團或非法集團、高度風險之衝突區域開採取得之。

因此, 本公司承諾:

1. 聲明所有提供給產品與生產過程皆為無衝突礦產之產品。
2. 依循經濟合作暨發展組織(OECD)之盡職調查指南, 定期檢視物料來源, 確保不使用: 金(Au)、鉭(Ta)、鎢(W)、錫(Sn)、鈷(Co)、鈀(Pd)、雲母等金屬並非透過無政府軍團或非法集團、高度風險之衝突區域開採取得之。
3. 盡最大努力控制與調查, 不直接與間接使用來自於衝突地區的礦產物料, 配合回覆此不使用衝突礦產政策聲明書, 如有使用相關金屬, 則須配合進行衝突礦產模板(CMRT、EMRT)之調查與回覆。
4. 要求所屬供應商應將此要求傳達給其上下游供應商
5. 承諾如發現衝突礦產相關疑慮與風險, 主動通報採購窗口進行了解。
6. 本公司若有違反前述之保證內容, 將配合矯正措施與調查, 致使客戶權益受有損害時, 同時承擔必要之賠償與法律責任。
7. 此聲明書不因組織變更、代表人變更、公司變更或供應產品產地不同等其他因素, 而影響其效力。

此致

久元電子股份有限公司及久元電子股份有限公司新竹園區分公司

立聲明書人:

代表人:

職務:

日期:

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Conflict Minerals Non-Use Policy Statement

_____ (Company Name, hereinafter referred as “Company”) as the supplier/vendor of YoungTek Electronics Corp. and YoungTek Electronics Corp. Science Based Park Branch (hereinafter referred to as “YTEC”), warrants that all of the parts, components, materials and products supplied by Company and/or its affiliates comply with the “Conflict Minerals Policy”. As a good corporate citizen, the Company is committed to fulfilling its social responsibilities and respecting human rights, and continues to pay attention to the issue of conflict minerals and to investigate the supply chain in detail to ensure that tin (Sn), tantalum (Ta), tungsten (W), gold (Au), Cobalt (Co), Palladium (Pd), Mica and other metals are not obtained through mining in high-risk conflict areas by anarchic or illegal groups. Company hereby makes following commitments:

1. We declare that all products and production processes provided are conflict-free mineral products.
2. We follow the OECD due diligence guidelines and regularly review the source of materials to ensure that no gold (Au), tantalum (Ta), tungsten (W), tin (Sn), Cobalt (Co), Palladium (Pd), Mica or other metals are used that are not mined through anarchic or illegal groups or in high-risk conflict areas.
3. Do their best efforts to control and investigate the direct and indirect use of mineral materials from conflict areas, and cooperate with the reply to the Conflict Minerals Non-Use Policy Statement, and cooperate with the Conflict Minerals Template (CMRT, EMRT) investigation and reply if relevant metals are used.
4. Request that the supplier shall communicate this request to its upstream and downstream suppliers.
5. Undertake to inform the procurement window of any concerns and risks associated with conflict minerals.
6. If the Company violates the aforementioned guarantee, it will cooperate with corrective measures and investigations, and bear the necessary compensation and legal responsibility if the rights and interests of customers are damaged.
7. The validity of this statement is not affected by other factors such as change of organization, change of representative, change of company or different place of origin of products supplied.


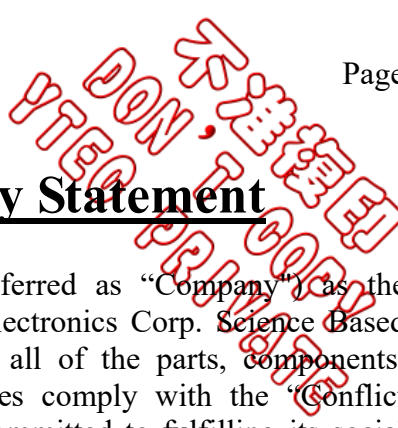
TO YTEC

Company :

Representative :

Title :

Date :



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<input type="checkbox"/> AOI <input type="checkbox"/> ATE 部件與風險清單						測試項目								
						Pb (鉛)	Cd (鎘)	Hg (汞)	Cr6+ (六價鉻)	PBB	PBDE	DEHP/DBP/ BBP/DIBP	Pb+Cd+Hg+ Cr6+	
類別	名稱	HS 風險 部件	供應 商	HS 管控方式 (必填選項)	HS 管控 Owener	1000 ppm (備註 1)	100 ppm	1000 ppm	1000 ppm	1000 ppm	1000 ppm	各 1000ppm	Total:100ppm Cd < 5ppm	
生產用料(含包材)	(舉例)積體電路(IC)	本體	貿特	簽回保證書	採購	*	*	*	*	*	*	*		
		接腳	貿特	簽回保證書	採購	*	*	*	*					
	(舉例)電感類	一般電感 (DIP Inductor)	鐵芯	貿特	簽回保證書	採購	*	*	*	*				
			接腳	貿特	簽回保證書	採購	*	*	*	*				
		晶片電感	漆包線	貿特	簽回保證書	採購	*	*	*	*				
			塑膠座	貿特	簽回保證書	採購	*	*	*	*	*	*	*	
		整個進行評估	貿特	簽回保證書	採購	*	*	*	*					
生產用料-外購件														
生產耗材類														

註 1

YT03-QA-016-06A

- 鉛屬於排外條款6(a)：加工用途之鋼材及鍍鋅鋼的合金元素中，鉛含量不超過0.35%。(2011/65/EU)
- 鉛屬於排外條款7(b)：用於伺服器、記憶體和存儲系統和交換、信號和傳輸，以及電信網路管理的網路基礎設施/設備中焊料的鉛。(2011/65/EU)
- 鉛屬於排外條款7(c)-I：含鉛之玻璃或陶瓷的電器和電子元件，介電陶瓷電容器除外例如高壓電子裝置，或玻璃或陶瓷基複合材料。(2011/65/EU)
- 鉛屬於排外條款13(a)：光學應用之白玻璃中的鉛。(2011/65/EU)
- 鉛屬於排外條款13(b)：濾光玻璃及用來當做反射率標準片玻璃中的鉛及鎘。(2011/65/EU)
- 鉛屬於排外條款15：用於焊接半導體終端和集成電路板載體的焊料中含鉛量。(2011/65/EU)
- 鉛屬於排外條款25：表面傳導式電子發射顯示器 (SED) 之構件，特別是密封玻璃和環狀玻璃，所用的氧化鉛。(2011/65/EU)
- 鉛屬於排外條款32：用於氫和氫鎘射管防護窗組合件的封裝玻璃料裏的鉛的氧化物。(2011/65/EU)
- 鉛屬於排外條款33：涉及電源變壓器中直徑100 微米及以下細銅線所用焊料中的鉛。(2011/65/EU)

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客戶 HSF 記錄管制一覽表											修訂日期:		
客戶代碼	客戶名稱	製程別	法令及標準				其他物質		客戶文件編號	客戶文件版本	客戶文件名稱	更新日期	YTEC 文件編號
			RoHS	PPWD	REACH (SVHC)	Sony ss-00259	PVC	鹵素					

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