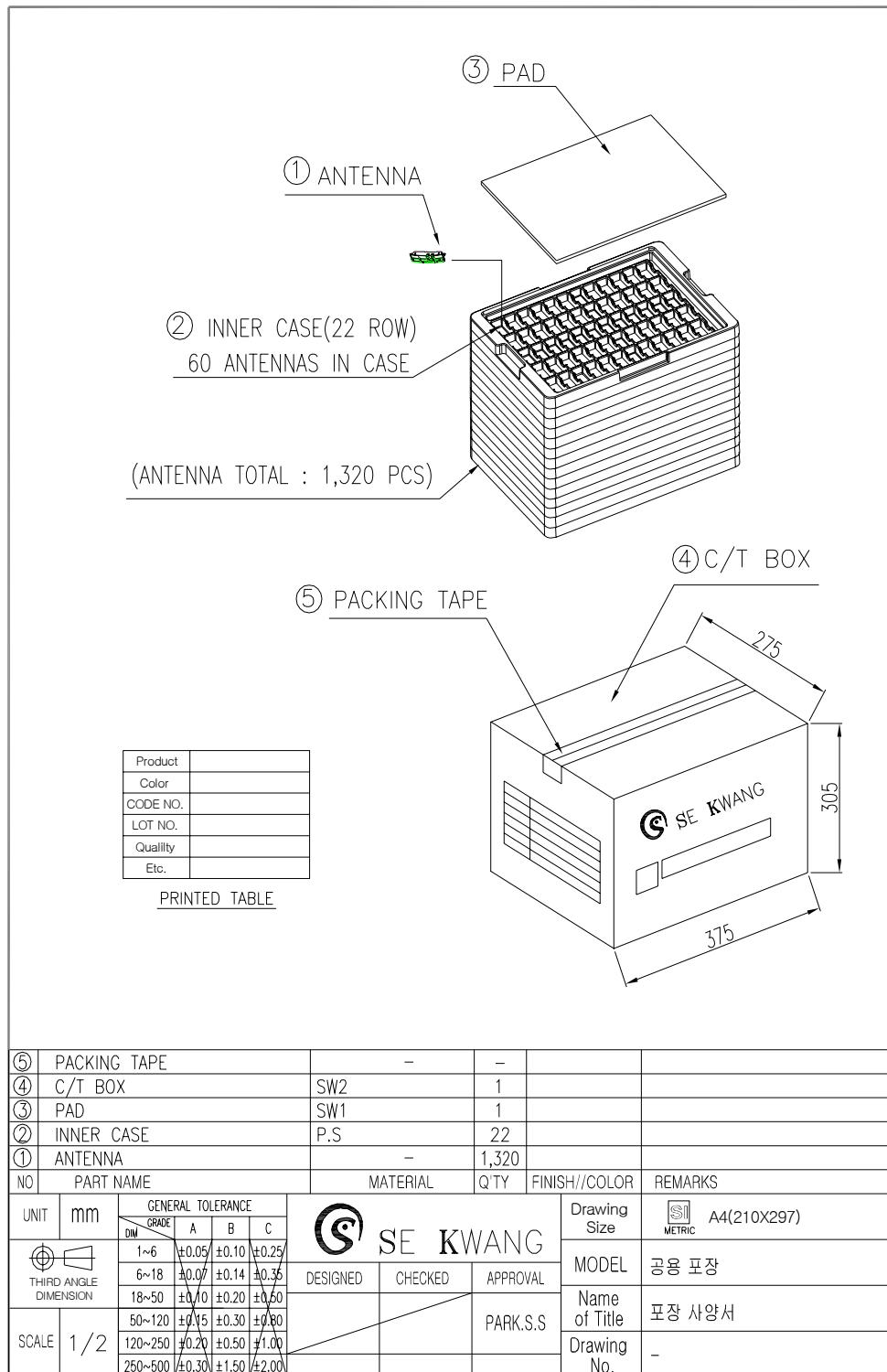




## 8. 포장 사양

### 8-1 포장 도면



## 8-2. 적 재

- 1) 고온 다습한 곳은 피해야 함.
- 2) 부식성이 강한 수소 황산화물 가스가 있는 곳은 피해야 함.  
(산, 염소, 암모니아 등은 안테나 외관을 부식시키며 성능이 떨어질 수 있음)

### [ 저장 환경 1 ]

- 온 도 : 5 to 35°C
- 습 도 : 45 to 75% RH
- 저장기간 : 6개월.

### [ 저장 환경 2 ]

- 온 도 : -40 to 90°C
- 습 도 : 95% RH max
- 저장기간 : 96 시간.

## 8-3. 운 반

- 1) 안테나의 접촉단자가 구부러지거나 눌리면 접촉이 불안정하여 특성이 저하 될 수 있으므로 주의.
- 2) 운반시 안테나를 맨손으로 직접 만지지 말 것.  
(안테나를 직접 손으로 만질 경우 안테나 위에 지문이 묻을 수 있으며 이 지문은 안테나 표면에 부식을 가져올 수 있음)



## 9. 제조 공정도

## 10. 유해 물질 인증서

## 10-1. CARRIER(PC HF-1023IM)



## 유해 물질 인증서

업체명 대상정밀화학  
 Grade/Color HF-1023IM/G7630  
 사용용도 핸드폰  
 분석기관 제일모직 종합연구원

## 시료명

구분	시료명	비고
수지	HF-1023IM	
칼라	G7630	A101,A502,CW01,DK04

## 시험 결과

	시험항목	전처리방법	시험장비	단위(ppm)	M.D.L	함유량
중금속	Cd	EN 1122	ICP-AES	mg/kg	0.5	ND
	Pb	US EPA 3050B	ICP-AES	mg/kg	5	ND
	Hg	US EPA7473	Hg Analyzer	mg/kg	0.03	ND
난연제	Cr <sup>6+</sup>	USEPA 3060A	UV/VIS	mg/kg	1	ND
	PBB	Cheil Method	GC/MS	mg/kg	5	ND
	PBDE	Cheil Method	GC/MS	mg/kg	5	ND

\* 이 수치는 EU 규정에 위배되지 않음 \* M.D.L : Method Detection Limit \* ND : Not Detected

시험책임자 : 최수만

승인자 : 이계홍

발행일자 : 2007년 01월 03일

승인일자 : 2007년 01월 01일

품질보증팀



## 10-2. SHEET METAL(STS 304)



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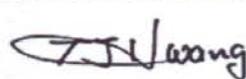
To: TAIHAN STAINLESS STEEL CO., LTD  
603 Seonggok-dong  
Danwon-gu  
Ansan-city  
GYEONGGI-DO  
Korea

The following merchandise was submitted and identified by the client as :

Product Name : STS304  
SGS File No. : AYU07-11050  
Received Date : May 07, 2007  
Test Performing Date : May 08, 2007  
Test Performed : SGS Testing Korea tested the sample(s) selected by applicant with following results  
Test Results : For further details, please refer to following page(s)  
Buyer(s) : LG, SAMSUNG

SGS Testing Korea Co. Ltd. / Ulsan Laboratory

  
Sharpless Park /Testing Person

  
Thomas Hwang / Ulsan Lab. Mgr

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Sample No. : AYU07-11050.001

Sample Description : STS304

Style/Item No. : N/A

Comments : Material is stainless.

**Heavy Metals**

Test Items	Unit	Test Method	MDL	Results
Cadmium (Cd)	mg/kg	US EPA 3052(1996), US EPA 6010B(1996), ICP	1	N.D.
Lead (Pb)	mg/kg	US EPA 3052(1996), US EPA 6010B(1996), ICP	5	N.D.
Mercury (Hg)	mg/kg	US EPA 3052(1996), US EPA 6010B(1996), ICP	2	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	US EPA 3060A(1996), US EPA 7196A(1992), UV	1	N.D.

**Flame Retardants-PBBs/PBDEs**

Test Items	Unit	Test Method	MDL	Results
Monobromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Monobromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.

NOTE: (1) N.D. = Not detected.(&lt;MDL)

(2) ppm = mg/kg

(3) MDL = Method Detection Limit

(4) - = No regulation

(5) \*\* = Qualitative analysis (No Unit)

(6) Negative = Undetectable / Positive = Detectable

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Picture of Sample as Received:

Sample Color : Silver

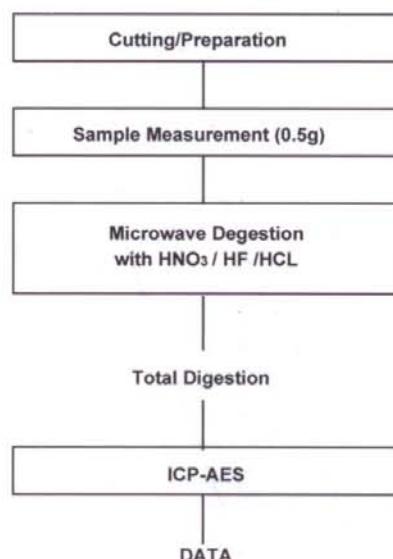


NOTE: (1) N.D. = Not detected.(<MDL)  
(2) ppm = mg/kg  
(3) MDL = Method Detection Limit  
(4) - = No regulation  
(5) \*\* = Qualitative analysis (No Unit)  
(6) Negative = Undetectable / Positive = Detectable

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**Flow Chart of Digestion**  
(USEPA 3052 for Cd, Pb)



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator : Sharpless Park

Section Chief : Thomas Hwang

\*\*\* End \*\*\*

NOTE: (1) N.D. = Not detected.(<MDL)  
 (2) ppm = mg/kg  
 (3) MDL = Method Detection Limit  
 (4) - = No regulation  
 (5) \*\* = Qualitative analysis (No Unit)  
 (6) Negative = Undetectable / Positive = Detectable

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