SUBJECT	**Chemical Test**
TEST LOCATION	**TÜV SÜD China** TÜV SÜD Products Testing (Shanghai) Co., Ltd. B-3/4, No.1999 Du Hui Road, Minhang District Shanghai 201108, P.R. China
CLIENT NAME	**TLY Technology Co.,Ltd**
CLIENT ADDRESS	Room 605, Huaide Yinshan Building, Fuwei Community, Fuyong Street, Baoan District, Shenzhen 518102, China
TEST PERIOD	30-Jul-2020~05-Aug-2020
RESULT SUMMARY	The tested items **complied with** Restriction of Hazardous Substances (RoHS) Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU. - Heavy Metals (Total Cadmium, Total Lead, Total Mercury, Hexavalent Chromium) Content Test **001~003 PASS** - Brominated Flame Retardants (PBBs & PBDEs) Test **001~003 PASS** - DEHP, BBP, DBP and DIBP **001~003 PASS**

Prepared By

Judy hu

(Judy Hu)
Report Drafter

Authorized By

(Leo Liu)
Authorized Signatory

Note: (1) General Terms & Conditions as mentioned overleaf. (2) The results relate only to the items tested.(3) The test report shall not be reproduced except in full without the written approval of the laboratory.(4) Without the agreement of the laboratory , the client is not authorized to use the test results for unapproved propaganda.

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No.151 Heng Tong Road Shanghai
200 070 P.R.China

RECEIPT DATE / TEST DATE

30-Jul-2020/ 30-Jul-2020

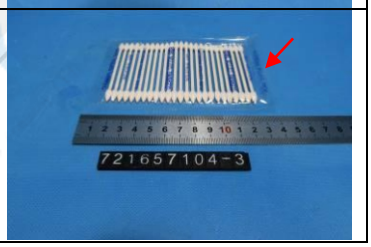
THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED BY/ ON BEHALF OF THE CLIENTS AS

Sample Name: COTTON SWAB

Sample Type: CA-002/CA-003/BB-001/BB-002/BB-003/BB-012/BB-013/CS25-001/CS25-002/CS15-001/CS15-002/CS15-003/CS15-006/CS15-005

Batch No./Date: 2020.07.29

Manufacturer: /

SAMPLE NO.	TEST PART	DESCRIPTION	PHOTOGRAPH
721657104-1	001	Cotton part	
721657104-2	002	Paper stick	
721657104-3	003	Package	

TEST RESULT(S)

1. Restriction of Hazardous Substances (RoHS)
   - Test method: With reference to
   - Cadmium, Lead - IEC 62321-5:2013, acid digestion and analysed by ICP/OES
   - Mercury - IEC 62321-4:2013, acid digestion and analysed by ICP/OES
   - Hexavalent Chromium - IEC 62321-7-2:2017, alkaline extraction and analysed by UV-VIS

(1) Metals (Total Lead, Total Cadmium, Total Mercury, Hexvalent Chromium) Content Test

Element(s)	Total Cadmium [mg/kg]	Total Mercury [mg/kg]	Total Lead [mg/kg]	Hexavalent Chromium(VI) [mg/kg]
RoHS Requirements	100	1000	1000	1000
001	<2	<5	<5	<5
002	<2	<5	<5	<5
003	<2	<5	<5	<5

(2) Brominated Flame Retardants (PBBs & PBDEs) Test
   - Test method: With reference to IEC 62321-6:2015, Solvent extraction and analysed by GC/MS

Polybrominated biphenyls - PBBs [mg/kg]			
	001	002	003
RoHS Requirements		1000	
Monobromobiphenyl	<5	<5	<5
Dibromobiphenyl	<5	<5	<5
Tribromobiphenyl	<5	<5	<5
Tetrabromobiphenyl	<5	<5	<5
Pentabromobiphenyl	<5	<5	<5
Hexabromobiphenyl	<5	<5	<5
Heptabromobiphenyl	<5	<5	<5
Octabromobiphenyl	<5	<5	<5
Nonabromobiphenyl	<5	<5	<5
Decabromobiphenyl	<5	<5	<5
Sum of detected PBBs		<50	
Polybrominated diphenylethers – PBDEs [mg/kg]			
RoHS Requirements		1000	
Monobromodiphenyl ether	<5	<5	<5
Dibromodiphenyl ether	<5	<5	<5
Tribromodiphenyl ether	<5	<5	<5
Tetrabromodiphenyl ether	<5	<5	<5
Pentabromodiphenyl ether	<5	<5	<5
Hexabromodiphenyl ether	<5	<5	<5
Heptabromodiphenyl ether	<5	<5	<5
Octabromodiphenyl ether	<5	<5	<5
Nonabromodiphenyl ether	<5	<5	<5
Decabromodiphenyl ether	<5	<5	<5
Sum of detected PBDEs		<50	

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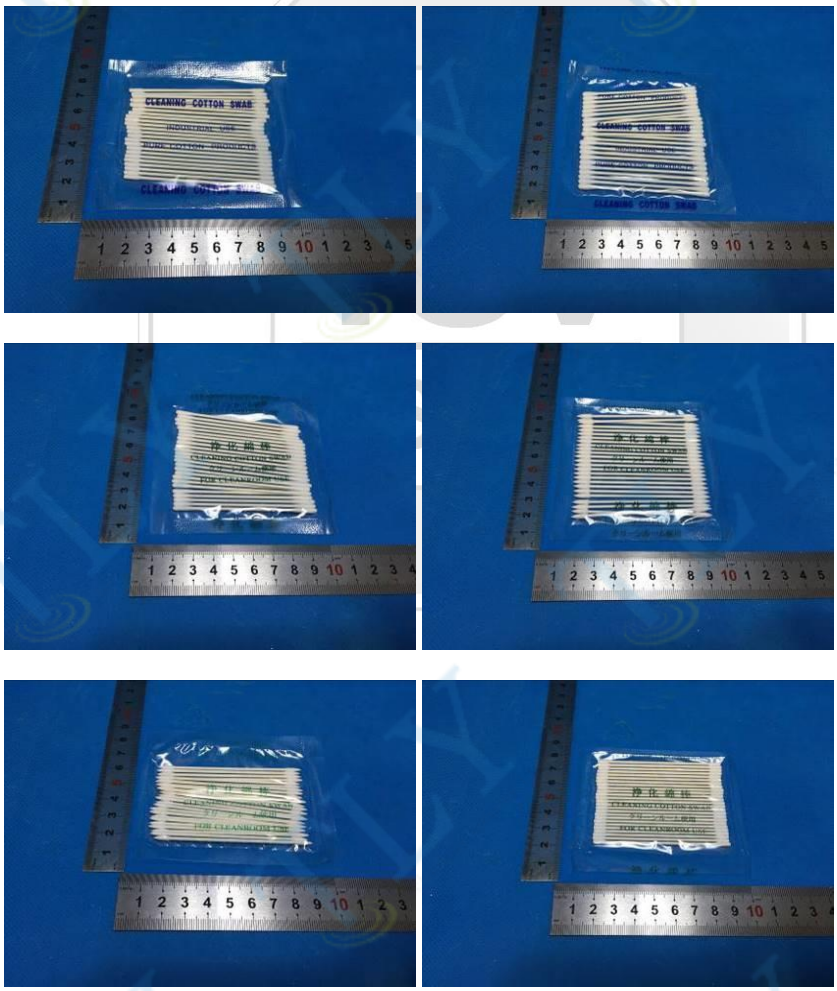
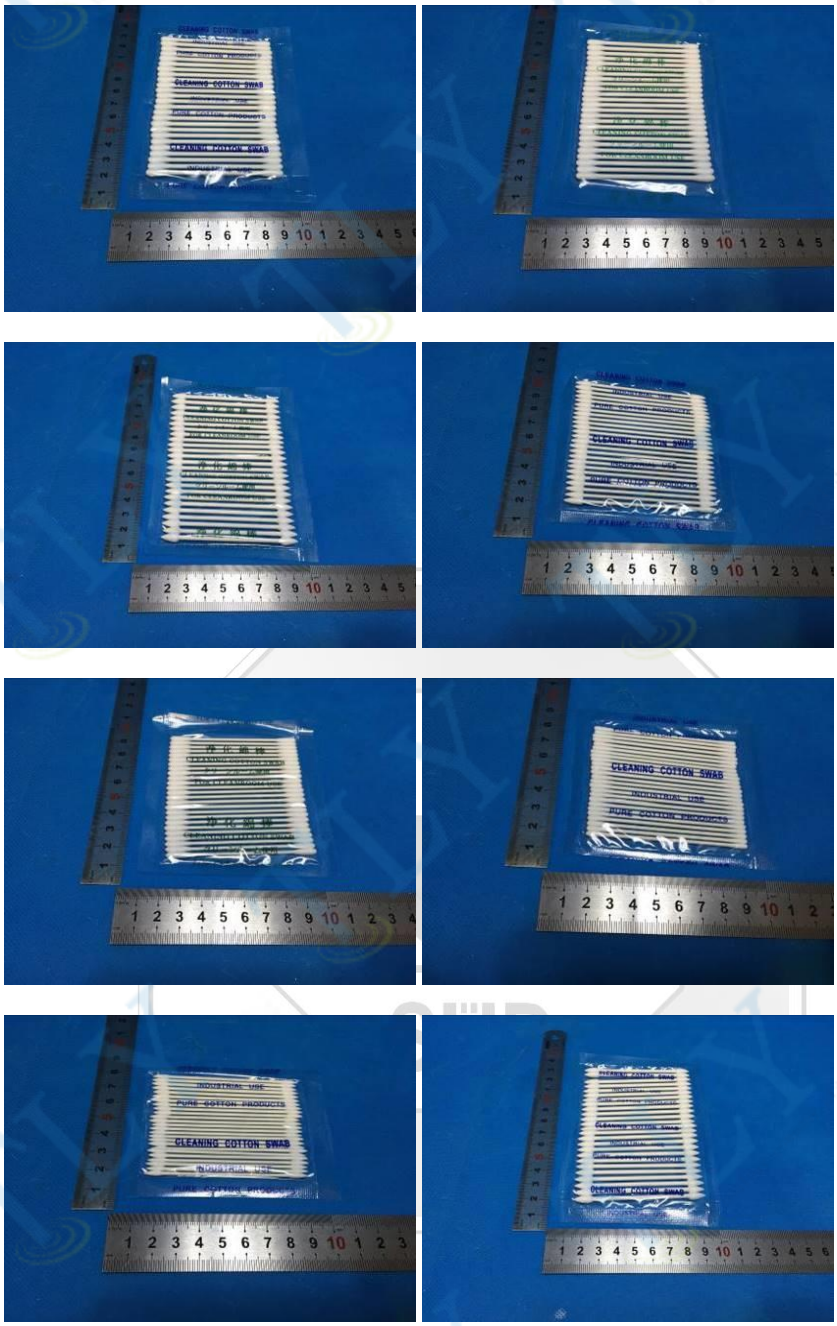
(3) DEHP, BBP, DBP and DIBP

- Test method: With reference to US EPA 3500C:2007&US EPA 8270D:2014 Solvent extraction by untrasonic bath and analysed by GC/MS.

Test Items	CAS No.	Result [%]			Maximum Permissible Limit [%]
		001	002	003	
Benzylbutyl Phthalate(BBP)	85-68-7	<0.005	<0.005	<0.005	0.1
Dibutyl Phthalate(DBP)	84-74-2	<0.005	<0.005	<0.005	0.1
Di(2-ethylhexyl) Phthalate(DEHP)	117-81-7	<0.005	<0.005	<0.005	0.1
Diisobutyl phthalate (DIBP)	84-69-5	<0.005	<0.005	<0.005	0.1

Notice: The samples pictured below have been confirmed by the customer to be of the same material as the sample tested.





Note: This report is for internal use only such as internal scientific research, education, quality control, product R&D.

-END OF THE TEST REPORT-

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