

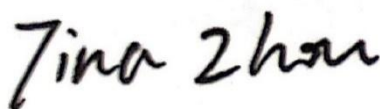
TEST REPORT

TEST REPORT NO :**1003104023****Jun 03,2026****Page : 1 of 12****Applicant:** Ningbo Dinghua Industrial Limited**Test Date:** May 15 – May 26,2026**Address:** No.216 North Keyuan Rd. Science&Technology Zone, Ninghai, Ningbo, China.**Received Date:** May 15, 2026**Contact Person:** Weeny Shi**Contact Info:** Sales2@chinadinghua.com**Sample Description:** Tag Applicator / Black and White Tags / Clear Base Tag**Buyer:** Avery UK**Style No:** /**Manufacturer:** Ningbo Dinghua Industrial Limited**SKU No:** /**Country of Origin:** China**Export to:** Europe

Test Item	Conclusion
Total Lead Content Test	PASS
Total Cadmium Content	PASS
PAHs (Polycyclic Aromatic Hydrocarbons) Content	PASS
Total Phthalates Content	PASS
Organotin Compounds	PASS
Total Heavy Metals	PASS
Remark: 1. The results relate only to the samples tested. 2. The tested Samples/Components/Test Item were selected by client.	

***** End of Page *****

For and on behalf of
UL Ningbo Technology Services Co., Ltd



Tina Zhou - Laboratory Manager

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浙江省宁波高新区菁华路 777 号、剑兰路 1177 弄 10 号 2 号楼 1 层、4 层、5 层, 邮编: 315048
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TEST REPORT NO :**1003104023****Jun 03,2026****Page : 2 of 12****Sample Information:**

Sample	Product	
001	Left handle of Tag Applicator	
002	Right handle of Tag Applicator	
003	Black Rivet Cover on Tag Applicator	
004	Rivets on Tag Applicator	
005	Clear Base Tag	
006	Black tag	
007	White tag	

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1. Total Lead Content [REACH Annex XVII Entry 63]

The wet digestion method was used, followed by analysis by ICP-OES.

Detection Limit: 20mg/kg

Sample	Result (mg/kg)	Requirement (mg/kg)	Rating
001+002+003	<20.0	Max.500	PASS
004	<20.0	Max.500	PASS
005	<20.0	Max.500	PASS
006	<20.0	Max.500	PASS
007	<20.0	Max.500	PASS
“<” means less than; “mg/kg” means milligrams per kilogram			

2. Total Cadmium Content [REACH Annex XVII Entry 23]

The wet digestion method was used, followed by analysis by ICP-OES.

Detection Limit: 7.5mg/kg

Sample	Result (mg/kg)	Requirement (mg/kg)	Rating
001+002+003	<7.5	Max.100	PASS
004	<7.5	Max.100	PASS
005	<7.5	Max.100	PASS
006	<7.5	Max.100	PASS
007	<7.5	Max.100	PASS
“<” means less than; “mg/kg” means milligrams per kilogram			

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3. Polycyclic Aromatic Hydrocarbons (PAHs) [REACH Annex XVII entry 50]

With reference to AfPS GS 2019:01 PAK.

Detection Limit: 0.1mg/kg

Compounds	Result (mg/kg)		Requirement (mg/kg)	Rating
	Sample 001+002+003	Sample 005+006+007		
Benzo(a)pyrene	Not Detected	Not Detected	< 0.5	PASS
Benzo(e)pyrene	Not Detected	Not Detected	< 0.5	
Benzo(a)anthracene	Not Detected	Not Detected	< 0.5	
Benzo(b)fluoranthene	Not Detected	Not Detected	< 0.5	
Benzo(j)fluoranthene	Not Detected	Not Detected	< 0.5	
Benzo(k)fluoranthene	Not Detected	Not Detected	< 0.5	
Chrysene	Not Detected	Not Detected	< 0.5	
Dibenzo(a,h)anthracene	Not Detected	Not Detected	< 0.5	
Sum Of 8 PAHs	Not Detected	Not Detected	< 0.5	
“<” means less than; “>” means greater than; “mg/kg” means milligrams per kilogram				

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PAHs (Polycyclic Aromatic Hydrocarbons)

With reference to AfPS GS 2019:01 PAK.

Detection Limit: 0.1mg/kg

Compounds	Result (mg/kg)	OEKO-TEX STANDARD 100 Annex 4 Category III (mg/kg)	Rating
	Sample 005+006+007		
Naphthalene	Not Detected	Max.2.0	PASS
Acenaphthylene	Not Detected	Max.10.0	
Acenaphthene	Not Detected	Max.10.0	
Fluorene	Not Detected	Max.10.0	
Phenanthrene	Not Detected	Max.10.0	
Anthracene	Not Detected	Max.10.0	
Fluoranthene	Not Detected	Max.10.0	
Pyrene	Not Detected	Max.10.0	
Benzo (a) anthracene	Not Detected	Max.1.0	
Chrysene	Not Detected	Max.1.0	
Benzo (b) fluoranthene	Not Detected	Max.1.0	
Benzo (k) fluoranthene	Not Detected	Max.1.0	
Benzo (j) fluoranthene	Not Detected	Max.1.0	
Benzo (e) pyrene	Not Detected	Max.1.0	
Benzo (a) pyrene	Not Detected	Max.1.0	
Dibenzo (a,h) pyrene	Not Detected	Max.1.0	
Indeno (123-cd) pyrene	Not Detected	Max.10.0	
Benzo (g,h,i) perylene	Not Detected	Max.10.0	
Sum of 18 PAHs	Not Detected	Max.10.0	

“Not detected” means test result is below detection limit; “mg/kg” means milligrams per kilogram

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4. Total Phthalates Content [REACH Annex XVII Item No 51/52]

Test Method: ISO 14389:2022 Determination of phthalate content

Detection limit: BBP/DBP/DEHP/DIBP/DNOP=0.01%; DINP/DIDP=0.02%

	Sample 001+002+003		Sample 005+006+007		Requirement (%)
Item	Result (%)	Total (%)	Result (%)	Total (%)	Sum
BBP	< 0.01	Not Detected	< 0.01	Not Detected	Max.0.1
DBP	< 0.01		< 0.01		
DEHP	< 0.01		< 0.01		
DIBP	< 0.01		< 0.01		
DNOP	<0.01	Not Detected	<0.01	Not Detected	Max.0.1
DINP	<0.02		<0.02		
DIDP	<0.02		<0.02		
Rating	PASS		PASS		
Remark: Benzyl butyl phthalate, BBP; Dibutyl phthalate, DBP; Bis(2-ethylhexyl) phthalate, DEHP; Diisobutyl phthalate, DIBP Di-n-octyl phthalate, DNOP; Di-iso-nonyl phthalate, DINP; Diisodecyl phthalate, DIDP					

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TEST REPORT

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Total Phthalates Content

With reference to ISO 14389:2022, Organic solvent extraction, followed by analysis using GC-MS.

Detection limit: 100mg/kg

Sample 005+006+007				
Substance Name	CAS No.	Result (mg/kg)	OEKO-TEX STANDARD 100 Annex 4 Category III (mg/kg)	Rating
Benzylbutylphthalate (BBP)	85-68-7	Not detected	Sum Max.500	PASS
Dimethylphthalate (DMP)	131-11-3	Not detected		
Diethylphthalate (DEP)	84-66-2	Not detected		
Dibutylphthalate (DBP)	84-74-2	Not detected		
Di-(2-methoxyethyl)phthalate (DMEP)	117-82-8	Not detected		
Di-(2-ethylhexyl)phthalate (DEHP)	117-81-7	Not detected		
Di-C6-8-branched alkylphthalates, C7 rich (DIHP)	71888-89-6	Not detected		
Di-C7-11-branched and linear alkylphthalates (DHNUP)	68515-42-4	Not detected		
Dicyclohexylphthalate (DCHP)	84-61-7	Not detected		
Dihexylphthalates, branched and linear (DHxP)	68515-50-4	Not detected		
Di-iso-butylphthalate (DIBP)	84-69-5	Not detected		
Di-iso-hexylphthalate (DIHxP)	71850-09-4	Not detected		
Di-iso-octylphthalate (DIOP)	27554-26-3	Not detected		
Di-iso-nonylphthalate (DINP)	28553-12-0, 68515-48-0	Not detected		
Di-iso-decylphthalate (DIDP)	26761-40-0, 68515-49-1	Not detected		
Di-n-propylphthalate (DPrP)	131-16-8	Not detected		
Di-n-hexylphthalate (DHP)	84-75-3	Not detected		
Di-n-octylphthalate (DNOP)	117-84-0	Not detected		
Di-n-nonylphthalate (DNP)	84-76-4	Not detected		
Di-pentylphthalate (n-, iso-, or mixed) (DPP)	131-18-0, 605-50-5, 776297-69-9, 84777-06-0	Not detected		
1,2-Benzenedicarboxylic acid, di-C6-10 alkyl esters	68515-51-5	Not detected		
1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68648-93-1	Not detected		
Sum of above	-	Not detected		

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5. Organotin Compounds [REACH Annex XVII Entry 20]

Test method according to ISO/TS 16179:2025

Detection Limit: 0.01%

Sample	Result (%)		Requirement (%)	Rating
001+002+003	Dibutyltin (DBT)	Not detected	< 0.1% Tin(Sn)	PASS
	Dioctyltin (DOT)	Not detected	< 0.1% Tin(Sn)	
	Tri-substituted organostannic compounds (such as TBT,TPHT)	Not detected	< 0.1% Tin(Sn)	
005+006+007	Dibutyltin (DBT)	Not detected	< 0.1% Tin(Sn)	PASS
	Dioctyltin (DOT)	Not detected	< 0.1% Tin(Sn)	
	Tri-substituted organostannic compounds (such as TBT,TPHT)	Not detected	< 0.1% Tin(Sn)	
	Dibutyltin (DBT)	Not detected	< 0.1% Tin(Sn)	
“Not detected” means test result is below detection limit				

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TEST REPORT

TEST REPORT NO :**1003104023****Jun 03,2026****Page : 9 of 12****Organotin Compounds**

With reference to ISO/TS 16179:2025, Extraction with ethanolic carbamate, derivatization/extraction with NaBEt₄/Hexane and quantification with GC-MS.

Detection limit: 0.025 mg/kg

Sample 005+006+007

Compounds	Result (mg/kg)	OEKO-TEX STANDARD 100 Annex 4 Category III (mg/kg)	Rating
Monobutyltin (MBT)	Not detected	Max.2.0	PASS
Dibutyltin (DBT)	Not detected	Max.2.0	
Tributyltin (TBT)	Not detected	Max.1.0	
Monooctyltin (MOT)	Not detected	Max.2.0	
Diocetyltn (DOT)	Not detected	Max.2.0	
Triocetyltn (TOT)	Not detected	Max.2.0	
Monophenyltin (MPhT)	Not detected	Max.2.0	
Diphenyltin (DPhT)	Not detected	Max.2.0	
Triphenyltin (TPhT)	Not detected	Max.1.0	
Tripropyltin (TPT)	Not detected	Max.2.0	
Tetrabutyltin (TeBT)	Not detected	Max.2.0	
Dimethyltin (DMT)	Not detected	Max.2.0	
Trimethyltin (TMT)	Not detected	Max.2.0	
Tricyclohexyltin (TCyHT)	Not detected	Max.2.0	
Tetraethyltin (TeET)	Not detected	Max.2.0	
“Not detected” means test result is below detection limit; “mg/kg” means milligrams per kilogram			

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6. Total Heavy Metals

With reference to DIN EN 16711-1:2015

Test Method: Digest the sample with acid, then analysed by ICP-OES.

Sample		Detection limit (mg/kg)	Result (mg/kg)	OEKO-TEX STANDARD 100 Annex 4 Category III (mg/kg)	Rating
005	Lead (Pb)	20.0	<20.0	Max.90	PASS
	Cadmium (Cd)	7.5	<7.5	Max.40	
	Arsenic (As)	5.0	<5.0	Max.100	
	Mercury (Hg)	0.5	<0.5	Max.0.5	
006	Lead (Pb)	20.0	<20.0	Max.90	PASS
	Cadmium (Cd)	7.5	<7.5	Max.40	
	Arsenic (As)	5.0	<5.0	Max.100	
	Mercury (Hg)	0.5	<0.5	Max.0.5	
007	Lead (Pb)	20.0	<20.0	Max.90	PASS
	Cadmium (Cd)	7.5	<7.5	Max.40	
	Arsenic (As)	5.0	<5.0	Max.100	
	Mercury (Hg)	0.5	<0.5	Max.0.5	
“<” means less than; “mg/kg” means milligrams per kilogram					

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TEST REPORT

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TEST REPORT

TEST REPORT NO :**1003104023****Jun 03,2026****Page : 12 of 12****006****007********* End of Report *******

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