

TEST REPORT

Test Report # 21W-024701(A1) Date of Report Issue: November 3, 2021
Date of Sample Received: October 22, 2021 Pages: Page 1 of 8

CLIENT INFORMATION:

Company: Innovation Line
Address: 11869 Teale St Culver City, CA 90230



SAMPLE INFORMATION:

Product Name: Epson sublimation inks
Style No.: - Labeled Age Grade: -
Order No.(PO No.): - Client Request Age Grade: -
Country of Origin: - Recommended Age Grade: -
Country of Distribution: - Tested Age Grade: -
Testing Period: 10/26/2021-10/28/2021, 11/03/2021-11/03/2021

OVERALL RESULT:

PASS

Please refer to the following pages for test result summary and appropriate notes.

QIMA (HANGZHOU) TESTING CO., LTD.

Jeremy Xu

Jeremy Xu
Chemical Laboratory Supervisor



QIMA (HANGZHOU) TESTING CO., LTD. ♦ 4-5/F A2 BLDG NO. 1213 HUOJU SOUTH ROAD PUYAN STREET BINJIANG DISTRICT HANGZHOU CHINA

♦ Email: Labtesting@qima.com ♦ Tel: (86) 571 8999 7158.

Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.

If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.

This test report may not be reproduced in whole or in part, without written approval of QIMA (Hangzhou) Testing Co., Ltd.

TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Cadmium in Paints and Surface Coatings
PASS	Client's requirement, Bisphenol A content
PASS	Client's Requirement, Phthalates content



DETAILED RESULTS:

California Proposition 65, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	3+4	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	90
Conclusion	PASS	PASS	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:

The specification is quoted from client's requirement.



DETAILED RESULTS:

California Proposition 65, Total Cadmium in Paints and Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+2	3+4	---	---	---	Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Cadmium (Cd)	ND	ND	---	---	---	75
Conclusion	PASS	PASS	---	---	---	

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



DETAILED RESULTS:

Client's requirement, Bisphenol A content

Test Method: In-House Method

Analytical Method: Liquid Chromatography-Mass Spectrometer Mass Spectrometer (LC-MS/MS)

Specimen No.		1	2	3	4	Client's limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	Not Detected
Conclusion		PASS	PASS	PASS	PASS	

Note:

mg/kg=milligram per kilogram

ND=Not Detected (Reporting limit = 0.1mg/kg)



DETAILED RESULTS:

Client's Requirement, Phthalates content

Test Method: CPSC-CH-C1001-09.4
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2	3+4	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	---	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	---	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	---	---	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	---	---	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	---	---	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	---	---	1000
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	---	---	1000
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	---	---	1000
Conclusion		PASS	PASS	---	---	

Note:
 mg/kg = Milligrams per kilogram
 LT = Less than
 ND = Not detected (Reporting Limit = 150 mg/kg)
 Composite results are based on specimen of least mass resulting in highest potential concentration.

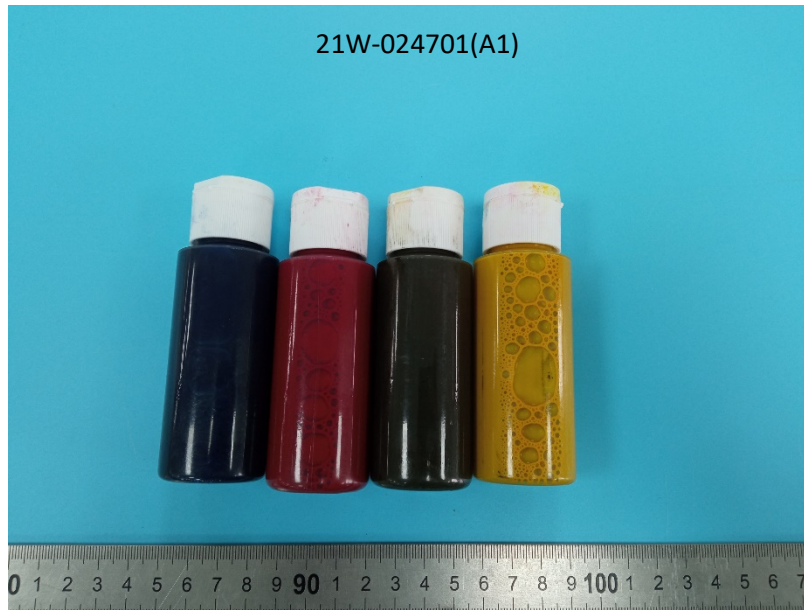


SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Dark blue ink	Raw material
2	Rose ink	Raw material
3	Dull black ink	Raw material
4	Yellow ink	Raw material



SAMPLE PHOTO:



-End Report-



ATTN: MIMAKI USA. INC.

Investigation report on chemical substances in the raw materials of our products

We hereby certify the presence or absence of chemical substances in the raw materials of our products listed under 1.Products below.

Please be notified that we evaluated the raw materials of the products to determine the presence of the substances specified under 2.Object Substances below. We did not measure or analyze the final products themselves.

1. Products

UV ink LH-100 series (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Clear)

2. Object Substances

- VOC (WHO defines "organic compound having a boiling point of 50 °C ~260 °C")

3. Report

Table 1 shows the VOC content in the product listed under 1.Products above.


*Note

When adopting the definition of VOC specified by WHO, the content based on that definition will be larger than the value listed in Table 1.

However, we consider VOC as the substance that is expected to be volatilized at actual printing, among substances that fall under the definition, so we report it in Table 1.

In addition, the VOCs listed in Table 1 are contained as impurities in the ink and are not intentionally added as constituents.

Company name: MIMAKI ENGINEERING CO., LTD.
Head office: 1628-1 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Tel: +81-268-64-2382
Fax: +81-268-64-5580

Signature: 
Name: Yasunaga Kayama
Title: General Manager of Quality Management and Support Center

Date: 2017/9/6

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process. Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

MIMAKI ENGINEERING CO., LTD. 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN Tel: +81-268-64-2281
MIMAKI USA, INC. 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A. Tel : +1-678-730-0100
MIMAKI EUROPE B.V. Stammerdijk 7E 1112 AA Diemen The Netherlands Tel : +31-20-4627-640

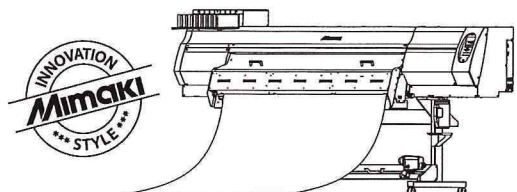
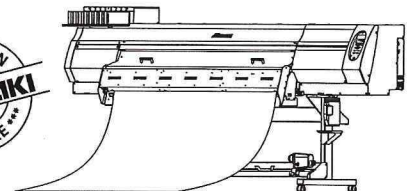


Table 1

Product	VOC Content(%)
LH-100 Cyan	<0.011
LH-100 Magenta	<0.01
LH-100 Yellow	<0.01
LH-100 Black	<0.012
LH-100 Light Cyan	<0.01
LH-100 Light Magenta	<0.01
LH-100 White	not-contained
LH-100 Clear	not-contained

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process. Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

MIMAKI ENGINEERING CO., LTD. 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN Tel: +81-268-64-2281
MIMAKI USA, INC. 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A. Tel : +1-678-730-0100
MIMAKI EUROPE B.V. Stammerdijk 7E 1112 AA Diemen The Netherlands Tel : +31-20-4627-640



ATTN: MIMAKI USA, INC.

Investigation report on chemical substances in the raw materials of our products

We hereby certify the presence or absence of chemical substances in the raw materials of our products listed under 1.Products below.

Please be notified that we evaluated the raw materials of the products to determine the presence of the substances specified under 2.Object Substances below. We did not measure or analyze the final products themselves.

1. Products

UV ink LH-100 series (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Clear)

2. Object Substances

- Substances are listed in "Proposition 65 (Mar.19, 2021)".

3. Report

In our evaluation, among all substances specified under 2.Object Substances above, only the substance listed in Table 1 is found in the product. We certify that we did not find the other substances in the raw materials of the product listed under 1.Products above.

And we do not have clear evidence that the substances listed in Table 1 are not exposed to workers beyond the Safe Harbor Level at the time of work.

Therefore, the product listed under 1.Products above are considered to be products that require "clear and reasonable warning" in Proposition 65.

Company name: MIMAKI ENGINEERING CO., LTD.
Head office: 2182-3 Shigeno-otsu,Tomi-shi,Nagano 389-0512 JAPAN
Tel: +81-268-64-2382
Fax: +81-268-64-5580

Signature:  Date: 02/04/2021
Name: Kenji Tsuchiya
Title: General Manager of Quality Management and Support Center

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process. Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

MIMAKI ENGINEERING CO., LTD. 2182-3 Shigeno-otsu,Tomi-shi,Nagano 389-0512 JAPAN Tel:+81-268-64-2281
MIMAKI USA, INC. 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A. Tel : +1-678-730-0100
MIMAKI EUROPE B.V. Stammerdijk 7E 1112 AA Diemen The Netherlands Tel : +31-20-4627-640

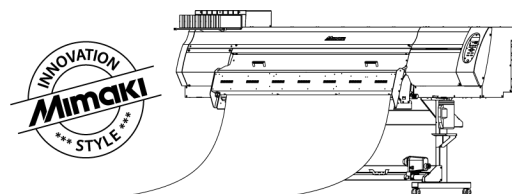
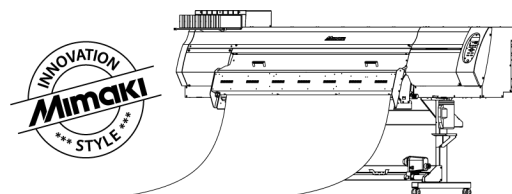


Table 1

Product	Substance Name	Content(%)
LH-100 Cyan	Toluene (CAS No. 108-88-3)	<0.011
LH-100 Magenta	Toluene (CAS No. 108-88-3)	<0.01
LH-100 Yellow	Nickel compounds	<2
	Toluene (CAS No. 108-88-3)	<0.011
LH-100 Black	Carbon black (CAS No. 1333-86-4)	<5
	Benzene(CAS No. 71-43-2)	<0.0001
	Benz[a]anthracene (CAS No. 56-55-3)	<0.001
	Benzo[a]pyrene(CAS No. 50-32-8)	<0.001
	Benzo[b]fluoranthene(CAS No. 205-99-2)	<0.001
	Benzo[j]fluoranthene(CAS No. 205-82-3)	<0.001
	Benzo[k]fluoranthene(CAS No. 207-08-9)	<0.001
	Chrysene(CAS No. 218-01-9)	<0.001
	Dibenz[a,h]anthracene(CAS No. 53-70-3)	<0.001
	Naphthalene (CAS No. 91-20-3)	<0.001
	Toluene (CAS No. 108-88-3)	<0.011
LH-100 Light Cyan	Toluene (CAS No. 108-88-3)	<0.01
LH-100 Light Magenta	Toluene (CAS No. 108-88-3)	<0.01
LH-100 White	Titanium dioxide (CAS No. 13463-67-7)	<15

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process. Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

MIMAKI ENGINEERING CO., LTD. 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN Tel: +81-268-64-2281
MIMAKI USA, INC. 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A. Tel : +1-678-730-0100
MIMAKI EUROPE B.V. Stammerdijk 7E 1112 AA Diemen The Netherlands Tel : +31-20-4627-640



ATTN: MIMAKI USA, INC.

Investigation report on chemical substances in the raw materials of our products

We hereby certify the presence or absence of chemical substances in the raw materials of our products listed under 1.Products below.

Please be notified that we evaluated the raw materials of the products to determine the presence of the substances specified under 2.Object Substances below. We did not measure or analyze the final products themselves.

1. Products

UV Ink LH-100 (Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Clear)


2. Object Substances : TSCA Section 6 regulations :PBT 5substances (Effective Date 05/02/2021)

- (1) Phenol, isopropylated phosphate (PIP 3:1) (2) Decabromodiphenylether (DecaBDE)
- (3) 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) (4) Hexachlorobutadiene (HCBD)
- (5) Pentachlorothiophenol (PCTP)

3. Report

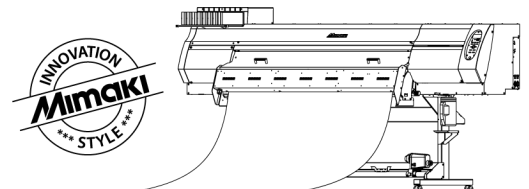
In our evaluation, we certify that we did not find the substances specified under 2.Object Substances above in the raw materials of the product listed under 1.Products above.

Company name: MIMAKI ENGINEERING CO., LTD.
Head office: 2182-3 Shigeno-otsu,Tomi-shi,Nagano 389-0512 JAPAN
Tel: +81-268-64-2382
Fax: +81-268-64-5580

Signature:  Date: 08/06/2021
Name: Kenji Tsuchiya
Title: General Manager of Quality Management and Support Center

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process. Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

MIMAKI ENGINEERING CO., LTD. 2182-3 Shigeno-otsu,Tomi-shi,Nagano 389-0512 JAPAN Tel:+81-268-64-2281
MIMAKI USA, INC. 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A. Tel : +1-678-730-0100
MIMAKI EUROPE B.V. Stammerdijk 7E 1112 AA Diemen The Netherlands Tel : +31-20-4627-640



Declaration on chemical substances in the raw materials of the ink

We declare that the raw materials of our ink do not use intentionally and do not contain more than threshold value of the RoHS 10 substances listed in Table 1 below, specified in DIRECTIVE (EU) 2015/863 of June 2015.

For your information, we evaluate the substances by the presence or absence in the raw materials of the inks and do not measure or analyze the final product.

1. Products

All of the ink manufactured by MIMAKI ENGINEERING CO., LTD.

(Products include primer and washing liquid, target is limited to stock solution.)

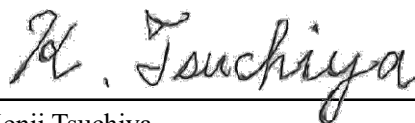
2. Object Substances

Table 1 RoHS 10 substances

No.	Substance	Threshold value
1	Cadmium and its compounds	100ppm
2	Hexavalent chromium compounds	1000ppm
3	Lead and its compounds	1000ppm
4	Mercury and its compounds	1000ppm
5	Polybrominated biphenyls (PBBs)	1000ppm
6	Polybrominated diphenyl ethers (PBDEs)	1000ppm
7	Bis (2-ethylhexyl) phthalate (DEHP)	1000ppm
8	Butyl benzyl phthalate (BBP)	1000ppm
9	Dibutyl phthalate (DBP)	1000ppm
10	Diisobutyl phthalate (DIBP)	1000ppm

Company name: MIMAKI ENGINEERING CO., LTD.
Head office: 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN
Tel: +81-268-64-2382
Fax: +81-268-64-5580

Signature:



Date: Oct. 28, 2020

Name:

Kenji Tsuchiya

Title:

General Manager of Quality Management and Support Center

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Mimaki Engineering Corporation. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or process. Mimaki Engineering Corporation assumes no legal responsibility for use or reliance upon this information.

MIMAKI ENGINEERING CO., LTD. 2182-3 Shigeno-otsu, Tomi-shi, Nagano 389-0512 JAPAN Tel: +81-268-64-2281
MIMAKI USA, INC. 150 Satellite Boulevard, suite A, Suwanee, Georgia 30024, U.S.A. Tel : +1-678-730-0100
MIMAKI EUROPE B.V. Stammerdijk 7E 1112 AA Diemen The Netherlands Tel : +31-20-4627-640

