



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

Test Report Number : CNB3170918-03192-C-R1

**CTS (Ningbo) Testing Service Technology Co., Ltd.
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1 General Information

1.1 Application Details

Name : MIDOCEAN BRANDS B.V.
Address : HERMESWEG 9 3771 ND BARNEVELD THE NETHERLANDS
Contact : /
Telephone : /
Fax : /
Mobile telephone : /
Email : /

1.2 Manufacturer & Buyer

Manufacturer name : /
Address :
Contact : /
Telephone : /
Fax : /
Mobile telephone : /
Email : /
Buyer name : /

1.3 Description of the Test Item

Sample name : COTTON BAG W/5PCS MARKER
Model No. : MO8450
Brand name : /
Condition of sample(s) : EFFECTIVE

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2 Test Results

2.1 General Information

2.1.1 Sample Receiving Date

Sep. 19, 2017

2.1.2 Testing Period

Sep. 19, 2017 to Sep. 27, 2017

2.1.3 Test Requested

Please refer to the following page(s)

2.1.4 Test Method

Please refer to the following page(s)

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2.2 Results

2.2.1 Cadmium Content

With reference to EN1122:2001B

	Sample Description	Result (mg/kg)	Limit (mg/kg)	Conclusion
		Cadmium (Cd)		
No.1*	Non-woven cloth bag with black coating/green strap (mixed)	N.D.	100	Pass
No.2*	(Red/yellow/green) plastic (mixed)	N.D.	100	Pass
No.3*	(Blue/rosy) plastic (mixed)	N.D.	100	Pass
No.4*	(Red/yellow/green) ink (mixed)	N.D.	100	Pass
No.5*	(Blue/rosy) ink (mixed)	N.D.	100	Pass
No.6	Refill of watercolour pen	N.D.	100	Pass

- Note :
1. 1mg/kg=1ppm=0.0001%
 2. N.D. = not detected (less than 2 mg/kg)
 3. The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 91/338/EEC).
 4. *The Testing results are based on the mixing of the sample which applicant required, the mixed test results in this test report do not represent individual content of a single material.

2.2.2 Benzene Content

With reference to EPA 5021, followed by analysis using Headspace/GC-MSD.

	Sample Description	Result (mg/kg)	Limit (mg/kg)	MDL (mg/kg)	Conclusion
		Benzene			
No.2*	(Red/yellow/green) plastic (mixed)	N.D.	N.D.	1	Pass
No.3*	(Blue/rosy) plastic (mixed)	N.D.	N.D.	1	Pass
No.4*	(Red/yellow/green) ink (mixed)	N.D.	N.D.	1	Pass
No.5*	(Blue/rosy) ink (mixed)	N.D.	N.D.	1	Pass
No.7	Non-woven cloth bag with black coating	N.D.	N.D.	1	Pass

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- Note :
1. N.D.=Not Detected (less than MDL)
 2. 1mg/kg=1ppm=0.0001%
 3. MDL= Method Detect Limit
 4. The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009
 5. *The Testing results are based on the mixing of the sample which applicant required, the mixed test results in this test report do not represent individual content of a single material.

223 Phthalates Content

With reference to EPA 3540C and EPA 8270D: Solvent extraction, followed by analysis using Gas Chromatography-Mass Spectrometry

Sample Description		Result (%)			Total (%)	Maximum Allowable Limit (%)	Conclusion
		DEHP	DBP	BBP			
No.2*	(Red/yellow/green) plastic (mixed)	N.D.	N.D.	N.D.	N.D.	0.1	Pass
No.3*	(Blue/rosy) plastic (mixed)	N.D.	N.D.	N.D.	N.D.	0.1	Pass
No.7	Non-woven cloth bag with black coating	N.D.	N.D.	N.D.	N.D.	0.1	Pass

Sample Description		Result (%)			Total (%)	Maximum Allowable Limit (%)	Conclusion
		DINP	DNOP	DIDP			
No.2*	(Red/yellow/green) plastic (mixed)	N.D.	N.D.	N.D.	N.D.	0.1	Pass
No.3*	(Blue/rosy) plastic (mixed)	N.D.	N.D.	N.D.	N.D.	0.1	Pass
No.7	Non-woven cloth bag with black coating	N.D.	N.D.	N.D.	N.D.	0.1	Pass

- Note :
1. N.D.=Not Detected (<MDL)
 2. 1mg/kg=1ppm=0.0001%
 3. The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 2005/84/EC).
 4. *The Testing results are based on the mixing of the sample which applicant required, the mixed test results in this test report do not represent individual content of a single material.

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5. The method detect limit for each Phthalates are:

Method Detect Limit		
Phthalates	DEHP (Di- (2-ethylhexyl)phthalate)	0.005%
	DBP (Dibutyl phthalate)	0.005%
	BBP (Benzyl butyl phthalate)	0.005%
	DINP (Di-isononyl phthalate)	0.005%
	DNOP (Di-n-octyl phthalate)	0.005%
	DIDP (Di-isodecyl phthalate)	0.005%

2.2.4 DIBP Content

With reference to EPA 3540C and EPA 8270D: Solvent extraction, followed by analysis using Gas Chromatography-Mass Spectrometry.

Sample Description		Result (%)	Limit (%)	Conclusion
		DIBP(Di-isobutyl phthalate)		
No.2*	(Red/yellow/green) plastic (mixed)	N.D.	0.1	Pass
No.3*	(Blue/rosy) plastic (mixed)	N.D.	0.1	Pass
No.7	Non-woven cloth bag with black coating	N.D.	0.1	Pass

- Note :
1. 1mg/kg=1ppm=0.0001%
 2. N.D. = not detected (<MDL)
 3. The method detect limit is 0.005%
 4. The limit refers to SVHC of the REACH Regulation (EC) No.1907/2006.
 5. *The Testing results are based on the mixing of the sample which applicant required, the mixed test results in this test report do not represent individual content of a single material.

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225 AZO Compounds Content

- 1) With reference to EN ISO 14362-1:2017, Analysis was performed by GC-MS.
- 2) p-Aminoazobenzene: With reference to EN ISO 14362-3:2017, Analysis was performed by GC-MS.

Sample Description	Result (mg/kg)	Limit (mg/kg)	Conclusion
	AZO		
No.1* Non-woven cloth bag with black coating/green strap (mixed)	N.D.	30	Pass

- Note :
1. N.D. = not detected (less than MDL)
 2. 1 mg/kg=1 ppm=0.0001%
 3. Method Detection Limit=5 mg/kg
 4. The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (formerly known as Directive 76/769/EEC and 2002/61/EC).
 5. *The Testing results are based on the mixing of the sample which applicant required, the mixed test results in this test report do not represent individual content of a single material.
 6. List of prohibitive aromatic amines to be tested :

No.	Prohibitive Aromatic Amines	CAS NO.	No.	Prohibitive Aromatic Amines	CAS NO.
1	O-Toluidine	95-53-4	13	4-Aminobiphenyl	92-67-1
2	2,6-Xylidine	87-62-7	14	4-Aminoazobenzene	60-09-03
3	2,4-Xylidine	95-68-1	15	4,4'-oxydianiline	101-80-4
4	O-Anisidine	90-04-0	16	Benzidine	92-87-5
5	4-Chloroaniline	106-47-8	17	4,4'-methylenedianiline	101-77-9
6	P-Cresidine	120-71-8	18	O-Aminoazotoluene	97-56-3
7	2,4,5-Trimethylaniline	137-17-7	19	4,4'-methylenedi-o-toluidine	838-88-0
8	4-Chloro-o-toluidine	95-69-2	20	3,3'-Dimethylbenzidine	119-93-7
9	4-methyl-m-phenylenediamine	95-80-7	21	4,4'-Thiodianiline	139-65-1
10	4-methoxy-m-phenylenediamine	615-05-4	22	3,3'-Dichlorobenzidine	91-94-1
11	2-Naphthylamine	91-59-8	23	4,4'-Methylene-bis-(2-Chloro-aniline)	101-14-4
12	5-nitro-o-toluidine	99-55-8	24	3,3'-Dimethoxybenzidine	119-90-4

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226 Polycyclic Aromatic Hydrocarbon (PAHs) Content

With reference to EPA 3540C and EPA 8270D: Solvent extraction, followed by analysis using Gas Chromatography-Mass Spectrometry

Sample Description	No.2*	(Red/yellow/green) plastic (mixed)			
	No.3*	(Blue/rosy) plastic (mixed)			
	No.7	Non-woven cloth bag with black coating			
Compounds	CAS Number	Result (mg/kg)			Maximum permissible limit (mg/kg)
		No.2*	No.3*	No.7	
(1) Benz(a)anthracene (BaA)	56-55-3	N.D.	N.D.	N.D.	<1.0
(2) Chrysene (CHR)	218-01-9	N.D.	N.D.	N.D.	<1.0
(3) Benzo(b)fluoranthene (BbF)	205-99-2	N.D.	N.D.	N.D.	<1.0
(4) Benzo(k)fluoranthene (BkF)	207-08-9	N.D.	N.D.	N.D.	<1.0
(5) Benzo(a)pyrene (BaP)	50-32-8	N.D.	N.D.	N.D.	<1.0
(6) Dibenz(a,h)anthracene (DBA)	53-70-3	N.D.	N.D.	N.D.	<1.0
(7) Benzo(j)fluoranthene (BjF)	205-82-3	N.D.	N.D.	N.D.	<1.0
(8) Benzo(e)pyrene (BeP)	192-97-2	N.D.	N.D.	N.D.	<1.0
Conclusion	--	Pass	Pass	Pass	--

- Note :
- 1 mg/kg=1 ppm=0.0001%.
 - Method detection limit of each of the individual compound is 0.1 mg/kg.
 - N.D. = not detected (less than MDL).
 - The limit refers to ANNEX XVII of the REACH Regulation (EC) No.1907/2006 & Amendment No. 552/2009 (REGULATION (EU) No 1272/2013).
 - *The Testing results are based on the mixing of the sample which applicant required, the mixed test results in this test report do not represent individual content of a single material.
 - The report is amended from the report CNB3170918-03192-C. The report CNB3170918-03192-C become invalid.

Written by: *Jessie*

Inspected by: *Susei*

Approved by:



*** End of Report ***

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3 Sample Reference Photo



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