



# TEST REPORT

**Technical Report:** (6616)229-0787

August 17, 2016

Date Received: August 4, 2016

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Factory Company Name: 5038  
Factory Address: /  
Project No.: /  
Client Reference No.: /  
Sample Type: Grab Sample\*  
Sample Pick Up Date: August 4, 2016  
Test Period: August 4, 2016 to August 17, 2016

Sample Description: Sample(s) received is/are stated to be:  
I001) Light yellow liquid (Wastewater after treatment)

## **REMARK**

If there are questions or concerns on this report, please contact the following persons:

General enquiry and invoicing

Ms. Arrow Shi  
(021) 24081841  
Arrow.shi@cn.bureauveritas.com

Technical enquiry-Chemical


Mr. Steven Han  
(021) 24081838  
Steven-Z.han@cn.bureauveritas.com

This report shown the test result of the environment samples of above factory which collected on specific date and time. The results of this report shall not be used for any regulatory compliance purposes.

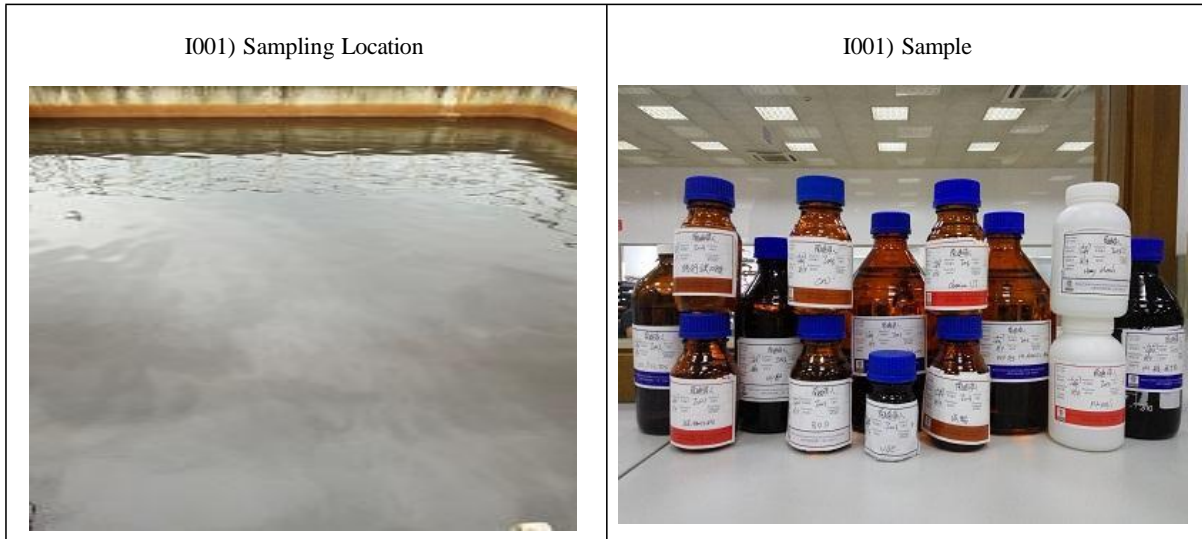
\* The sampling is agreed with client.

**BUREAU VERITAS  
CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)**

PREPARED BY: Arrow

  
**Matthias Chan**  
Director (North China Analytical Support)

**Photo of the Sampling Location & Sample**





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### Executive Summary

Traditional Parameters	I001
Color	See result in page 5 - 7
pH Value	
Total Suspended Solids (TSS)	
Total Dissolved Solids (TDS)	
Biochemical Oxygen Demand (BOD <sub>5</sub> )	
Chemical Oxygen Demand (COD)	
Sulfide	
Total Phenolics	
Ca & Mg Hardness	

Note / Key :

- ● – Detected
- – Not Detected



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## **Objective**

The environment sample was also tested for below General Parameters.

### **General Parameters**

- 1) Color
- 2) pH Value
- 3) Total Suspended Solids (TSS)
- 4) Total Dissolved Solids (TDS)
- 5) Biochemical Oxygen Demand (BOD<sub>5</sub>)
- 6) Chemical Oxygen Demand (COD)
- 7) Sulfide
- 8) Total Phenolics
- 9) Ca & Mg Hardness

## **Sampling Plan**

Basically, one environment sample (Wastewater after treatment at discharge point) was sampled per factory. Total number of sample collected will be depended on the actual factory facilities and manufacturing processes.

Method of sampling used is grab sampling (agreed with client.). Grab samples are discrete samples that are taken at a location to provide a 'snapshot' of the water quality characteristics at that time. For the purposes of quantifying water or wastewater constituents, grab samples will show the concentrations at that location and time of sampling. They will not provide any information about the concentrations outside that point in time.

Remark :

- Sampling procedure is with reference to below standards:
  - 1) South Australia EPA Guidelines (June 2007), Regulatory Monitoring and Testing Water and Wastewater Sampling.
  - 2) Australia EPA (Victoria) Guideline (June 2009), Sampling and Analysis of Waters, Wastewaters, Soils and Wastes.
  - 3) ISO 5667-3:2003, Water Quality - Sampling - Part 3: Guidance on the Preservation and Handling of Water Samples.
  - 4) ASTM D3976-92 (Reapproved 2010), Standard Practice for Preparation of Sediment Samples for Chemical Analysis.
- Field data records are attached in Appendix B.



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## Test Result

### General Parameters

#### Color

**Test Method** : With reference to ISO 7887: 2011

Tested Item(s)	Result	Unit	Conclusion
I001	50	Dilution multiple	DATA

#### pH Value

**Test Method** : With reference to APHA 4500-H+ B:2012 & U. S. EPA 150.2

-	Unit	Result
<b>Test Item(s)</b>	-	I001
<b>Parameter</b>	-	-
Temp. of sample	deg. C	16.8
pH value of sample	-	6.6
<b>Conclusion</b>	-	DATA

Note:

Temp. = Temperature

deg. C = degree Celsius (°C)

APHA = American Public Health Association Standard Methods for the Examination of Water and Wastewater

U. S. EPA = United States Environmental Protection Agency

#### Total Suspended Solids (TSS)

**Test Method** : With reference to APHA 2540 D:2012

Tested Item(s)	Result	Unit	Conclusion
I001	11	mg/L	DATA

Note:

mg/L = milligram per liter

Detection Limit (mg/L) : 5

APHA = American Public Health Association Standard Methods for the Examination of Water and Wastewater



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Total Dissolved Solids (TDS)

**Test Method** : With reference to APHA 2540 C:2012

Tested Item(s)	Result	Unit	Conclusion
I001	467	mg/L	DATA

Note:

mg/L = milligram per liter

Detection Limit (mg/L) : 10

APHA = American Public Health Association Standard Methods for the Examination of Water and Wastewater

Biochemical Oxygen Demand (BOD<sub>5</sub>)

**Test Method** : With reference to APHA 5210 B:2012

Tested Item(s)	Result	Unit	Conclusion
I001	15.3	mg/L	DATA

Note:

mg/L = milligram per liter

Detection Limit (mg/L) : 2

APHA = American Public Health Association Standard Methods for the Examination of Water and Wastewater

Chemical Oxygen Demand (COD)

**Test Method** : With reference to APHA 5220 B:2012 & U. S. EPA 410.3

Tested Item(s)	Result	Unit	Conclusion
I001	69	mg/L	DATA

Note:

mg/L = milligram per liter

Detection Limit (mg/L) : 15

APHA = American Public Health Association Standard Methods for the Examination of Water and Wastewater

U. S. EPA = United States Environmental Protection Agency

Sulfide

**Test Method** : With reference to APHA 4500 S2- D:2011

Tested Item(s)	Result	Unit	Conclusion
I001	0.028	mg/L	DATA

Note:

mg/L = milligram per liter

Detection Limit (mg/L) : 0.005

APHA = American Public Health Association Standard Methods for the Examination of Water and Wastewater



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Total Phenolics

**Test Method** : With reference to EPA 420.1 or HJ 503:2009

Tested Item(s)	Result	Unit	Conclusion
I001	<0.01	mg/L	DATA

Note:

mg/L = milligram per liter  
Detection Limit (mg/L) : 0.01

Ca & Mg Hardness

**Test Method** : With reference to APHA 2340 C:2011, 3500-Ca:2011 & 3500-Mg:1997

-	Unit	Result
<b>Tested Item(s)</b>	-	I001
<b>Parameter</b>	-	-
Calcium (Ca+)	mg/L	<5
Magnesium (Mg+)	mg/L	<5
<b>Conclusion</b>	-	DATA

Note:

mg/L = milligram per liter  
Detection Limit (mg/L) : 5  
APHA = American Public Health Association Standard Methods for the Examination of Water and Wastewater

END



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**APPENDIX A**

<b>General Data</b>				
Laboratory Sample Number	6616-229-0787			
Client Name	/			
Field Contact Person	Zigang Wang	Phone No: 13912294100		
Project (Facility Name and Address)	Nantong Teijin Co.,Ltd. No. 19 ZhongyangRoad, Economic & Technological Development Zone			
Sampling Location / Description	Gutter/Light yellow liquid			
Sample Identification	Water after treatment			
Sample Type	Grab Samples			
Name of Sampler	He Wang/Lei Wang			
Date and time collected	2016.08.04	13:53		
<b>Field Data</b>				
Field Parameters	pH : 7.0	Temp : 33.6°C	Color : Light yellow	
Control No. of field equipment	/	CA-014A	/	
<b>Analysis Required and Preservation Method</b>				
Sampler container number	I001-013,I001-014,I001-015,I001-016			
Volume collected	10L			
Tests	Test required	Sample size	Type of container	Preservation method
1. PH	Y	500 mL	Amber glass	/
2. COD	Y	500 mL	Amber Glass	Acidify to pH 2 with H <sub>2</sub> SO <sub>4</sub>
3. BOD	Y	500 mL	Amber Glass	Prevent from light
4. TSS,TDS	Y	500 mL	Amber Glass	/
5. Color	Y		Amber glass	/
6. Sulfides	Y	500 mL	Amber glass, pre- add (CH <sub>3</sub> COO) <sub>2</sub> Zn	Alkalify to PH 10-12 with NaOH
7. Total Phenolics	Y	1000 mL	Amber glass, pre-add Na <sub>2</sub> SO <sub>3</sub>	Acidify to pH 2 with HNO <sub>3</sub> , prevent from light





# TEST REPORT

**Technical Report:** (6616)217-1284

August 17, 2016

Date Received: August 4, 2016

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Factory Company Name: 5038  
Factory Address: /  
Project No.: /  
Client Reference No.: /  
Sample Type: Grab Sample\*  
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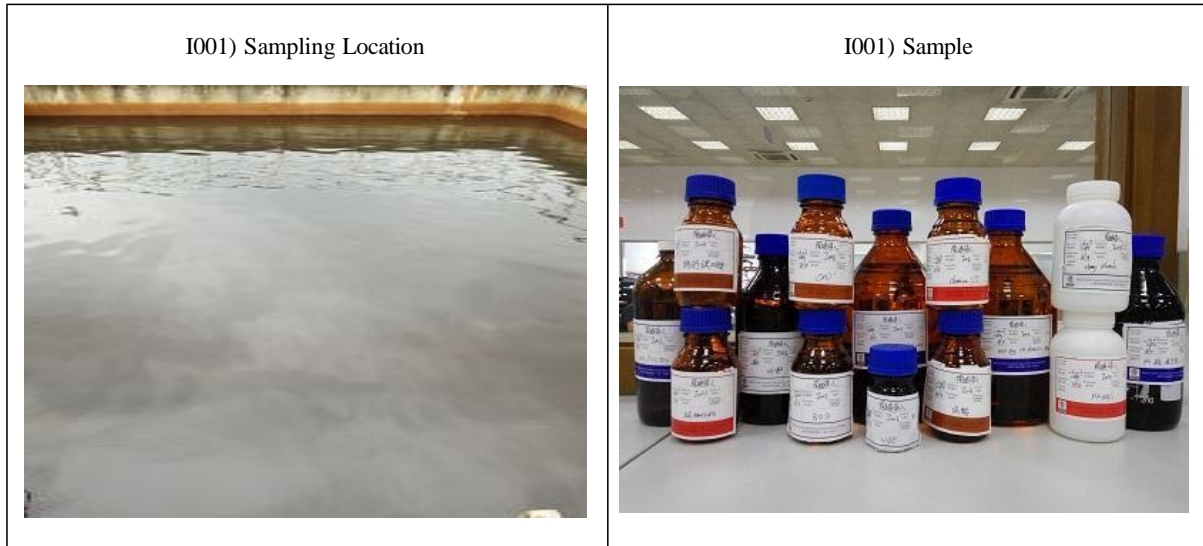
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PREPARED BY: Arrow

  
**Matthias Chan**  
Director (North China Analytical Support)

**Photo of the Sampling Location & Sample**





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### Executive Summary

<b>11 Priority Chemical Groups</b>	<b>I001</b>
Phthalates	●
Brominated and Chlorinated Flame Retardants	○
Azo Dyes	○
Organotin Compounds	○
Chlorobenzenes	●
Chlorotoluenes	○
Brominated and Chlorinated Solvents	○
Chlorophenols	○
Short-Chained Chlorinated Paraffins	●
Heavy Metals	●
APs and APEOs	○
Perfluorinated Chemicals	○

Note / Key :

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## **Objective**

The environment sample was tested for below 11 Priority Chemical Groups according to the Joint Roadmap: Toward Zero Discharge of Hazardous Chemicals.

### **11 Priority Chemical Groups**

- 1) Phthalates
- 2) Brominated and Chlorinated Flame Retardants
- 3) Azo Dyes
- 4) Organotin Compounds
- 5) Chlorobenzenes/ Chlorotoluenes
- 6) Brominated and Chlorinated Solvents
- 7) Chlorophenols
- 8) Short-Chained Chlorinated Paraffins
- 9) Heavy Metals
- 10) APs and APEOs
- 11) Perfluorinated Chemicals

## **Sampling Plan**

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## Test Result

### 11 Priority Chemical Groups

#### Phthalates

Test results of Phthalates are as below.

<b>Phthalates</b>	<b>I001</b>
Butyl benzyl phthalate (BBP)	ND
Dibutyl phthalate (DBP)	ND
Di-2-ethylhexyl phthalate (DEHP)	0.005
Di-n-octyl phthalate (DNOP)	ND
Di-iso-nonyl phthalate (DINP)	ND
Di-iso-decyl phthalate (DIDP)	ND
Dimethyl phthalate (DMP)	ND
Diethyl phthalate (DEP)	ND
Di-n-propyl phthalate (DPRP)	ND
Di-iso-butyl phthalate (DIBP)	ND
Di-cyclohexyl phthalate (DCHP)	ND
Di-n-hexyl phthalate (DnHP)	ND
Dinonyl phthalate (DNP)	ND
Di-iso-octyl phthalate (DIOP)	ND
Dimethoxyethyl phthalate (DMEP)	ND
1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester (DHNUP)	ND
1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	ND
Di-pentylphthalate	ND

#### Chlorobenzenes

Test results of Chlorobenzenes are as below.

<b>Chlorobenzenes</b>	<b>I001</b>
Chlorobenzene	0.00092
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene, 1,4-Dichlorobenzene	ND
1,2,3-Trichlorobenzene	ND
1,2,4-Trichlorobenzene	ND
1,3,5-Trichlorobenzene	ND
1,2,3,4-Tetrachlorobenzene	ND
1,2,3,5-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene	ND
Pentachlorobenzene	ND
Hexachlorobenzene	ND



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Short-Chained Chlorinated Paraffins

Test results of Short-Chained Chlorinated Paraffins are as below.

	<b>I001</b>
Short-Chained Chlorinated Paraffins (SCCP)	0.0187

Heavy Metals

Test results of Heavy Metals are as below.

<b>Heavy Metals</b>	<b>I001</b>
Arsenic (As)	ND
Cadmium (Cd)	ND
Mercury (Hg)	ND
Lead (Pb)	ND
Antimony (Sb)	0.044
Cobalt (Co)	0.001
Nickel (Ni)	0.004
Copper (Cu)	0.003
Zinc (Zn)	0.009
Chromium (Cr)	ND
Manganese (Mn)	0.077
Chromium VI (Cr VI)	ND
Tin (Sn)	ND
Cyanide (CN)	ND

Others Priority Chemical Groups

	<b>I001</b>
Brominated and Chlorinated Flame Retardants	ND
Azo Dyes	ND
Organotin Compounds	ND
Chlorotoluenes	ND
Brominated and Chlorinated Solvents	ND
Chlorophenols	ND
APs and APEOs	ND
Perfluorinated Chemicals	ND

- Test method, reporting limit and list of chemical are summarized in tables of Appendix A.
- ND = Not detected (Please refer to reporting limit shown in Appendix A.).
- All results are in ppm as unit.
- ppm = part(s) per million.

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**APPENDIX A**

<b>List of Phthalates :</b>					
No.	Test Method			Reporting Limit	Unit
1	With reference to U. S. EPA 8270D. (For Wastewater)			Each: 0.001	ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Butyl benzyl phthalate (BBP)	85-68-7	10	Di-iso-butyl phthalate (DIBP)	84-69-5
2	Dibutyl phthalate (DBP)	84-74-2	11	Di-cyclohexyl phthalate (DCHP)	84-61-7
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	12	Di-n-hexyl phthalate (DnHP)	84-75-3
4	Di-n-octyl phthalate (DNOP)	117-84-0	13	Dinonyl phthalate (DNP)	84-76-4
5	Di-iso-nonyl phthalate (DINP)	28553-12-0 & 68515-48-0	14	Di-iso-octyl phthalate (DIOP)	27554-26-3
6	Di-iso-decyl phthalate (DIDP)	26761-40-0 & 68515-49-1	15	Dimethoxyethyl phthalate (DMEP)	117-82-8
7	Dimethyl phthalate (DMP)	131-11-3	16	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester (DHNUP)	68515-42-4
8	Diethyl phthalate (DEP)	84-66-2	17	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6
9	Di-n-propyl phthalate (DPRP)	131-16-8	18	Di-pentylphthalate	131-18-0

**List of Brominated and Chlorinated Flame Retardants :**

No.	Test Method			Reporting Limit	Unit
1	With reference to U. S. EPA 527 and with reference to U. S. EPA 8321B. (For Wastewater)			Each (PBBs & PBDEs): 0.00005; Each (TRIS, TBBPA & HBCCD): 0.0005; Each (Others): 0.025 TCEP: 0.00005; TDCP: 0.0005	ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Polybromobiphenyls (PBBs)	Various	6	Hexabromocyclododecane (HBCDD)	Various
2	Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	7	2,2-Bis(bromomethyl)-1,3-propanediol (1 BMP)	3296-90-0
3	Polybromodiphenyl ethers (PBDEs)	Various	8	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8
4	Tetrabromobisphenol A (TBBPA)	79-94-7	9	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8
5	Bis(2,3-dibromopropyl) phosphate	5412-25-9	-	-	-

**List of Aromatic Amines in Azo Colorants :**

No.	Test Method	Reporting Limit		Unit	
1	With reference to German Standard DIN 38407-16, with reference to European Standard EN 14362-1 incorporating Corrigendum and with reference to European Standard EN 14362-3. (For Wastewater)	Each: 0.0001		ppm	
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	4-Aminodiphenyl (Biphenyl-4-ylamine or Xenylamine)	92-67-1	18	o-Toluidine (2-Aminotoluene)	95-53-4
2	Benzidine	92-87-5	19	4-Methyl-m-phenylenediamine (2,4-Toluenediamine)	95-80-7
3	4-Chloro-o-toluidine	95-69-2	20	2,4,5-Trimethylaniline	137-17-7
4	2-Naphthylamine	91-59-8	21	o-Anisidine (2-Methoxyaniline)	90-04-0
5	o-Aminoazotoluene (4-Amino-2',3'-dimethylazobenzene or 4-o-tolyazo-o-toluidine)	97-56-3	22	4-Aminoazobenzene (p-Aminoazobenzene)	60-09-3
6	5-nitro-o-toluidine (2-Amino-4-nitrotoluene)	99-55-8	23	2,4-Xylydine (2,4-dimethylaniline)	95-68-1
7	4-Chloroaniline (p-Chloroaniline)	106-47-8	24	2,6-Xylydine (2,6-dimethylaniline)	87-62-7
8	4-Methoxy-m-phenylenediamine (2,4-Diaminoanisole)	615-05-4	25	Aniline	62-53-3
9	4,4'-Diaminodiphenylmethane (4,4'-Methylenedianiline)	101-77-9	26	1,4-Phenylenediamine	106-50-3
10	3,3'-Dichlorobenzidine (3,3'-Dichlorobiphenyl-4,4'-ylenediamine)	91-94-1	27	2-Chloroaniline	95-51-2
11	3,3'-Dimethoxybenzidine (o-Dianisidine)	119-90-4	28	5-Nitro-o-anisidine	99-59-2
12	3,3'-Dimethylbenzidine (4,4'-Bi-o-toluidine)	119-93-7	29	m-Toluidine	108-44-1
13	4,4'-Methylenedi-o-toluidine (3,3'-Dimethyl-4,4'-diaminodiphenylmethane)	838-88-0	30	N,N-Diethylaniline	91-66-7
14	p-Cresidine (6-Methoxy-m-toluidine)	120-71-8	31	N-Ethylaniline	103-69-5
15	4,4'-Methylene-bis-(2-chloroaniline) (2,2'-Dichloro-4,4'-methylene-dianiline)	101-14-4	32	N-Methylaniline	100-61-8
16	4,4'-Oxydianiline	101-80-4	33	p-Toluidine	106-49-0
17	4,4'-Thiodianiline	139-65-1	-	-	-





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List of Organotin Compounds :					
No.	Test Method			Reporting Limit	Unit
1	With reference to European Standard EN ISO 17353. (For Wastewater)			Each: 0.00001	ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Monobutyltin (MBT)	Various	7	Trioctyltin (TOT)	Various
2	Dibutyltin (DBT)		8	Tripopyltin (TPT)	
3	Diocetyltn (DOT)		9	Monooctyltin (MOT)	
4	Tributyltin (TBT)		10	Trimethyltin (TMT)	
5	Triphenyltin (TPhT)		11	Tetrabutyltin (TebT)	
6	Tricyclohexyltin (TCyHT)		12	Dimethyltin (DMT)	

**List of Chlorobenzenes :**

No.	Test Method			Reporting Limit	Unit
1	With reference to U. S. EPA 8260B and with reference to U. S. EPA 8270D. (For Wastewater)			Each: 0.00001	ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Chlorobenzene	108-90-7	6	1,3,5-Tri chlorobenzene	108-70-3
2	1,2-Dichlorobenzene	95-50-1	7	1,2,3,4-Tetrachlorobenz ene	634-66-2
3	1,3-Dichlorobenzene, 1,4-Dichlorobenzene	541-73-1, 106-46-7	8	1,2,3,5-Tetrachlorobenzene, 1,2,4,5-Tetrachlorobenzene	634-90-2, 95-94-3
4	1,2,3-Trichlorobenzene	87-61-6	9	Pentachl orobenzene	608-93-5
5	1,2,4-Trichlorobenzene	120-82-1	10	Hexachl orobenzene	118-74-1

**List of Chlorotoluenes :**

No.	Test Method			Reporting Limit	Unit
1	With reference to U. S. EPA 8260B and with reference to U. S. EPA 8270D. (For Wastewater)			Each: 0.00001	ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	2-Chlorotoluene	95-49-8	7	2,6-Dichlorotoluene	118-69-4
2	3-Chlorotoluene	108-41-8	8	3,4-Dichlorotoluene	95-75-0
3	4-Chlorotoluene	106-43-4	9	2,3,6-Tri chlorotoluene	2077-46-5
4	2,3-Dichlorotoluene	32768-54-0	10	2,4,5-Tri chlorotoluene	6639-30-1
5	2,4-Dichlorotoluene	95-73-8	11	Tetrachl orotoluene	Various
6	2,5-Dichlorotoluene	19398-61-9	12	Pentachl orotoluene	877-11-2



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<b>List of Brominated and Chlorinated Solvents :</b>						
No.	Test Method			Reporting Limit		Unit
1	With reference to U. S. EPA 8260B. (For Wastewater)			Each: 0.1		ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	1,2-Dichloroethane	107-06-2	13	Bromodichloromethane	75-27-4	
2	1,1-Dichloroethylene	75-35-4	14	Bromoform	75-25-2	
3	Methylene Chloride	75-09-2	15	Chlorodibromomethane	124-48-1	
4	cis-1,2-Dichloroethylene	156-59-2	16	Chloroethane	75-00-3	
5	trans-1,2-Dichloroethylene	156-60-5	17	Dibromomethane	74-95-3	
6	Chloroform	67-66-3	18	1,1-Dichloroethane	75-34-3	
7	1,1,1-Trichloroethane	71-55-6	19	trans-1,3-Dichloropropene	10061-02-6	
8	Carbon Tetrachloride	56-23-5	20	Hexachlorobutadiene	87-68-3	
9	Trichloroethylene	79-01-6	21	1,1,2,2-Tetrachloroethane	79-34-5	
10	1,1,2-Trichloroethane	79-00-5	22	Vinyl chloride	75-01-4	
11	1,1,1,2-Tetrachloroethane	630-20-6	23	Hexachloroethane	67-72-1	
12	Tetrachloroethylene	127-18-4	24	Pentachloroethane	76-01-7	

<b>List of Chlorophenols :</b>						
No.	Test Method			Reporting Limit		Unit
1	With reference to U. S. EPA 8270D. (For Wastewater)			Each: 0.0005		ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Pentachlorophenol	87-86-5	9	2,3-Dichlorophenol	576-24-9	
2	2,3,4,5-Tetrachlorophenol	4901-51-3	10	3,4-Dichlorophenol	95-77-2	
3	2,3,4,6-Tetrachlorophenol	58-90-2	11	2,4-Dichlorophenol, 2,5-Dichlorophenol, 2,6-Dichlorophenol, 3,5-Dichlorophenol	120-83-2, 583-78-8, 87-65-0, 591-35-5	
4	2,3,5,6-Tetrachlorophenol	935-95-5	12	2-Chlorophenol	95-57-8	
5	2,4,6-Trichlorophenol	88-06-2	13	3-Chlorophenol	108-43-0	
6	2,3,5-Trichlorophenol	933-78-8	14	4-Chlorophenol	106-48-9	
7	2,4,5-Trichlorophenol	95-95-4	15	4-Chloro-3-methylphenol	59-50-7	
8	3,4,5-Trichlorophenol, 2,3,4-Trichlorophenol	609-19-8, 15950-66-0	16	o-Phenyphenol	90-43-7	

<b>List of Short Chain Chlorinated Paraffins :</b>						
No.	Test Method			Reporting Limit		Unit
1	With reference to International Standard ISO 12010. (For Wastewater)			0.0004		ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Short Chain Chlorinated Paraffins	85535-84-8	-	-	-	



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List of Heavy Metals :						
No.	Test Method			Reporting Limit		Unit
1	With reference to U. S. EPA 3015A and with reference to U. S. EPA 6020A./ With reference to U. S. EPA 7196A./ With reference to APHA 4500 CN- C:2012 & APHA 4500 CN- E:2012 (For Wastewater)			Cd: 0.0001; Hg: 0.00005; CN <sup>-</sup> : 0.02 Each (Others): 0.001		ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Arsenic (As)	Various	8	Copper (Cu)	Various	
2	Cadmium (Cd)		9	Zinc (Zn)		
3	Mercury (Hg)		10	Chromium (Cr)		
4	Lead (Pb)		11	Manganese (Mn)		
5	Antimony (Sb)		12	Chromium VI (Cr VI)		
6	Cobalt (Co)		13	Tin (Sn)		
7	Nickel (Ni)		14	Cyanide (C <sub>N</sub> )		

List of Alkylphenols & Alkylphenol Ethoxylates :						
No.	Test Method			Reporting Limit		Unit
1	With reference to ASTM International Standard ASTM D7065. (For Wastewater)			Each (OP & NP): 0.001; Each (OPEO & NPEO): 0.005		ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Octylphenol (OP)	Various	5	Octylphenol monoethoxylates, OP2EO	Various	
2	Nonylphenol (NP)		6	Nonylphenol monoethoxylates, NP2EO		
3	Octylphenol monoethoxylates, OP1EO		7	Octylphenolethoxylates, (n=4 to n=15)		
4	Nonylphenol monoethoxylates, NP1EO		8	Nonylphenolethoxylates, (n=4 to n=15)		

**List of Perfluorinated Chemicals :**

No.	Test Method			Reporting Limit		Unit
1	In house method and analysis by Liquid Chromatograph Mass Spectrometer (LC-MS). (For Wastewater)			Each: 0.0000		ppm
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Perfluorooctanoic acid (PFOA)	335-67-1	4	Perfluorohexane sulpho nates (PFHxS)	3871-99-6	
2	Perfluorooctane sulphonates (PFOS)	2795-39-3	5	Perfluorobutanoic acid (PFBA)	375-22-4	
3	Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	6	Perfluorobutane sulpho tes (PFBS)	29420-49-3	

Note / Key :

ppm = part(s) per million

U. S. EPA = United States Environmental Protection Agency

APHA = American Public Health Association



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**APPENDIX B**

<b>General Data</b>				
Laboratory Sample Number	6616-217-1284			
Client Name	/			
Field Contact Person	Zigang Wang		Phone No:13912294100	
Project (Facility Name and Address)	Nantong Teijin Co.,Ltd. No. 19 ZhongyangRoad, Economic & Technological Development Zone			
Sampling Location / Description	Gutter/Light yellow liquid			
Sample Identification	Water after treatment			
Sample Type	Grab Samples			
Name of Sampler	He Wang/Lei Wang			
Date and time collected	2016.08.04		13:52	
<b>Field Data</b>				
Field Parameters	pH : 7.0		Temp : 33.6°C	Color : Light yellow
Control No. of field equipment	/		CA-014A	/
<b>Analysis Required and Preservation Method</b>				
Sampler container number	I001-1,I001-2,I001-3,I001-4, I001-5, I001-6, I001-7			
Volume collected	10L			
Tests	Test required	Sample size	Type of container	Preservation method
1. Phthalate	Y	500 mL	Amber Glass, wash with nitric acid, rinse thoroughly with distilled water and dry before use	Without adding acid Store sample at 4°C
2. Brominated and chlorinated Flame retardant	Y	1000 mL		
3. Banned Azodyes	Y	500 mL		
4. Organotin Compounds	Y	500 mL		
5. SCCPs	Y	500 mL		
6. Chlorophenol and Other Phenol	Y	500 mL	Amber Glass, wash with nitric acid, Pre-add 6.5 mL of 2M HCl	Acidify to ~pH 2 with HCl Store sample at 4°C
7. APEOs/APs	Y	1000mL		Fill to full bottle without air; acidify to ~pH 2 with HCl Store sample at 4°C
8. Chlorobenzenes and Chlorotoluenes	Y	500 mL		
9. Brominated and chlorinated Solvents	Y	500 mL	PE, wash with nitric acid; Pre-add 6.5 mL of 2M HNO3	Acidify to ~pH 2 with HNO3 Store sample at 4°C
10. Heavy Metals except CrVI	Y	500mL		Amber Glass, wash with pesticide grade acetone
11. CrVI	Y	500 mL	PE, wash with pesticide grade Acetone;	
12. PFCs	Y	500 mL		Amber Glass, wash with pesticide grade Acetone
13. Cyanide	Y	500 mL		

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**Consumer Products Services, Inc.**  
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