



Technical Report: (9319)094-1269

Apr 17, 2019

Date Received:

Apr 04, 2019

Page 1 of 13

RUBY WANG CRECIMIENTO INDUSTRIAL CO., LTD. 2ND IND. ESTATE, BAISHI SANXIANG, ZHONGSHAN CITY, GUANGDONG PROVINCE

Material Description:	NW50 (FOAM)
Material no/Name:	/
Color Key/ID:	BLACK
Quarter/Season:	/
Material Supplier:	/
Material Type:	/
Style No.:	/
Country of Origin:	/
Age Group:	Adults/ Children (0-12 years old)
Sample Type:	Upper
Test Category:	Supplier Internal
Test Period:	Apr 04, 2019 to Apr 17, 2019
No. of Working Days:	9
Retest No.:	/
Overall Conclusion:	PASS

REMARK

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

(86)20-22902088 bvcps_pyinfo@cn.bureauveritas.com

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD

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NINA REN SENIOR MANAGER

Bureau Veritas Consumer Products Services (Guangzhou) Co., Ltd

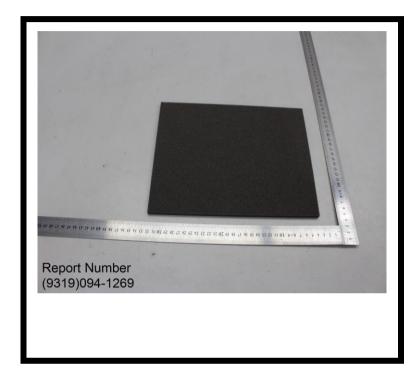
No. 183, Shinan Road, Meilin Plaza, Dongchong, Nansha, Guangzhou, Guangdong Province, China 511453 Tel: (86) 20 2290 2088 Fax: (86) 20 3490 9303 Email: BVCPS_pyinfo@cn.bureauveritas.com Website: cps.bureauveritas.com This report is governed by, and incorporates by reference, CPS Conditions of Service as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about_us/our-business/cps/about_us/terms-conditions/and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot form which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the correctness of the report.

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(9319)094-1269 Apr 17, 2019 Page 2 of 13

Photo of the Submitted Sample





(9319)094-1269 Apr 17, 2019 Page 3 of 13

SUMMARY OF TEST RESULTS				
NEW BALANCE RS	SM 2019 - REQUIREM	IENT		
TEST REQUESTED – CHEMICAL	CONCLUSION	TEST ITEM(S)	FAILED RESULT(S)	
TOTAL HEAVY METALS (Cd, Pb, Hg)	PASS			
TOTAL HEAVY METALS (As, Sb, Co)	PASS			
TOTAL HEAVY METALS (Ba, Cr, Se)	DATA			
NP, OP, NPEO & OPEO	PASS			
ORGANOTIN CONTENT	PASS			
SUM OF PHTHALATES	PASS			
PAHs	PASS			
TOTAL FLUORINE CONTENT	PASS			

Note: NA = Not Applicable NR = Not Requested The photograph(s) of failed test item(s) is (are) shown in Appendix if necessary.

SAMPLE DESCRIPTION ASSIGNED BY LABORATORY:

ITEM	ITEM DESCRIPTION
1	Dark grey plastic



(9319)094-1269 Apr 17, 2019 Page 4 of 13

TEST RESULT

Total Heavy Metals (Cd, Pb, Hg)

Test Method : Microware digestion and analysis by ICP-OES/MS. (For materials other than metal) Hot plate digestion with aqua-regia and analysis by ICP-OES/MS. (For metal only)

Tested Item(s) : 1 Dark grey plastic

Movimum Limite	Cd		Pb	Hg	
Maximum Limit: 40 mg/kg		mg/kg	90 mg/kg	0.5 mg/kg	
Parameter	Unit		Result		
-	-	1			
Cadmium (Cd)	mg/kg	ND			
Lead (Pb)	mg/kg	ND			
Mercury (Hg)	mg/kg	ND			
Conclusion	-	PASS			

Note:

ND = Not detected ">" = More than mg/kg = milligram per kilogram Detection Limit (mg/kg): Each (Cd & Pb) 5; Hg 0.1



(9319)094-1269 Apr 17, 2019 Page 5 of 13

TEST RESULT

Total Heavy Metals (As, Sb, Co)

: Microware digestion and analysis by ICP-OES/MS. (For materials other than metal) **Test Method** Hot plate digestion with aqua-regia and analysis by ICP-OES/MS. (For metal only)

Tested Item(s) : 1 Dark grey plastic

Maximum Limit:	As	Sb	Со
Maximum Limit:	100 mg/kg	100 mg/kg	100 mg/kg
	*	_	-

Parameter	Unit	Result
-	-	1
Arsenic (As)	mg/kg	ND
Antimony (Sb)	mg/kg	ND
Cobalt (Co)	mg/kg	ND
Conclusion	-	PASS

Note:

ND = Not detectedmg/kg = milligram per kilogram Detection Limit (mg/kg): Each 5

">" = More than



(9319)094-1269 Apr 17, 2019 Page 6 of 13

TEST RESULT

Total Heavy Metals (Ba, Cr, Se)

: Microware digestion and analysis by ICP-OES/MS. (For materials other than metal) **Test Method** Hot plate digestion with aqua-regia and analysis by ICP-OES/MS. (For metal only)

Tested Item(s) : 1 Dark grey plastic

Maximum Limit:	1		
Parameter	Unit	Result	
-	-	1	
Barium (Ba)	mg/kg	ND	
Chromium (Cr)	mg/kg	ND	
Selenium (Se)	mg/kg	ND	
Conclusion	-	DATA	

Note:

">" = More than ND = Not detected mg/kg = milligram per kilogram Detection Limit (mg/kg): Each 5



(9319)094-1269 Apr 17, 2019 Page 7 of 13

TEST RESULT

NP, OP, NPEOs & OPEOs

Test Method	:	Textile: EN ISO 18254-1:2016, analysis by Gas Chromatograph Mass Spectrometer (GC-MS) / Liquid Chromatograph Mass Spectrometer (LC-MS) Leather: EN ISO 18218-1:2015, analysis by Gas Chromatograph Mass Spectrometer (GC-MS) / Liquid Chromatograph Mass Spectrometer (LC-MS)
Test Method	:	Others: THF extraction (70oC, 60 mins) analysis by Gas Chromatograph Mass Spectrometer (GC-MS) (For AP)/ Liquid Chromatograph Mass Spectrometer (LC-MS) (For APEO)

Tested Item(s) Dark grey plastic : 1

Maximum Limit: OP and NP: 100 mg/kg (Sum) OPEOs and NPEOs: 100 mg/kg (Sum)				
Result Que de la companya			Construction	
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion
1	ND	ND	mg/kg	PASS

Note:

ND = Not detected

">" = More than

Conc. = Concentration

mg/kg = milligram per kilogram

Detection Limit (mg/kg): Each (OP & NP) 10; Sum (OP & NP) 10; Each (OPEOs & NPEOs) 30; Sum (OPEOs & NPEOs) 30

Remark:

- The list of alkylphenols and alkylphenol ethoxylates is summarized in table of Appendix. _
- Dr. Ehrenstofer product code: 15629000, is used for NP quantification. -



(9319)094-1269 Apr 17, 2019 Page 8 of 13

Conc. = Concentration

TEST RESULT

Organotin content

Test Method : With reference to CEN ISO/TS 16179: 2012. analysis by GC-MS or LC-MS.

Tested Item(s) : 1 Dark grey plastic

Maximum Limit:MBT, DBT, DOT, TCyHT, TMT, TOT and TPT: 1.0 mg/kg (Each) TBT and TPhT: 0.5 mg/kg (Sum)			
Tested Item(s) Result Conclusion			
Detected Analyte(s)	Conc.	Unit	Conclusion
ND	ND	mg/kg	PASS
	TBT and TPhT: 0.5 mg/kg (Sum) Result	TBT and TPhT: 0.5 mg/kg (Sum) Result Detected Analyte(s) Conc.	TBT and TPhT: 0.5 mg/kg (Sum) Result Detected Analyte(s) Conc. Unit

Note:

ND = Not detected ">" = More than mg/kg = milligram per kilogram Detection Limit (mg/kg): Each 0.02; Sum (TBT & TPhT) 0.04

Remark:

- The list of organotin compounds is summarized in table of Appendix.



(9319)094-1269 Apr 17, 2019 Page 9 of 13

TEST RESULT

Sum of Phthalates

Test Method : With reference to CPSC-CH-C1001-09.4. Solvent extraction and analysis by Gas Chromatograph Mass Spectrometer (GC-MS), confirmation by Liquid Chromatograph Mass Spectrometer (LC-MS)

Tested Item(s) : 1 Dark grey plastic

Sum of 20 Listed Phthalates: Less than 500 mg/kg (Sum)		
Conclusion		
Conclusion		
PASS		

Note:

ND = Not detected ">" = More than mg/kg = milligram per kilogram Detection Limit (mg/kg): Each 50, Sum 150 Conc. = Concentration

Remark:

- The list of phthalates is summarized in table of Appendix.



(9319)094-1269 Apr 17, 2019 Page 10 of 13

TEST RESULT

Polycyclic Aromatic Hydrocarbons (PAHs) Content

Test Method : German AfPS GS 2014:01 PAK.

Tested Item(s) : 1 Dark grey plastic

Maximum Limit:	Each of below listed PAHs: 1 mg/kg - Benzo (a) anthracene - Benzo (b) fluoranthene - Benzo (j) fluoranthene - Benzo (k) fluoranthene - Benzo (a) pyrene - Benzo (e) pyrene
	 Benzo (e) pyrene Chrysen Dibenzo (a,h) anthracene Sum of 18 PAHs: 10 mg/kg

Tested Item(s)	Result	Conclusion		
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion
	Naphthalene	0.143		
1	Phenanthrene	0.112	mg/kg	PASS
	Sum	0.255		

Note:

ND = Not detected ">" = More than mg/kg = milligram per kilogram Detection Limit (mg/kg): Each 0.1; Sum 0.1 Conc. = Concentration

Remark:

- The list of polycyclic aromatic hydrocarbons is summarized in table of Appendix.



(9319)094-1269 Apr 17, 2019 Page 11 of 13

TEST RESULT

Total Fluorine content

Test Method : With reference to EN 14582:2016

Tested Item(s) : 1 Dark grey plastic

Maximum Limit: Not Detected

Tested Here(s)	Result					
Tested Item(s)	Conc.	Unit	Conclusion			
1	ND	mg/kg	PASS			

Note:

ND = Not detected">" = More thanConc. = Concentrationmg/kg = milligram per kilogramDetection Limit (mg/kg): 50

Remark:

Total Fluorine content was subcontracted item.



(**9319)094-1269** Apr 17, 2019 Page 12 of 13

APPENDIX

List of Alkylphenols:							
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.		
1	1 Octylphenol (OP)		2	Nonylphenol (NP)	Various		
List o	List of Alkylphenol Ethoxylates:						
No.	o. Name of Analytes CAS-No. No. Name of Ana		Name of Analytes	CAS-No.			
1	Octylphenolethoxylates (OPEOs)	Various	2	Nonylphenolethoxylates (NPEOs)	Various		

List of Organotin Compounds:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Monobutyltin (MBT)	Various	6	Tricyclohexyltin (TCyHT)	Various
2	Dibutlytin (DBT)	Various	7	Trimethyltin (TMT)	Various
3	Tributyltin (TBT)	Various	8	Trioctyltin (TOT)	Various
4	Triphenyltin (TPhT)	Various	9	Tripropyltin (TPT)	Various
5	Dioctyltin (DOT)	Various	-	-	-

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List o	List of Phthalates:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Butyl benzyl phthalate (BBP)	85-68-7	11	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	
2	Dibutyl phthalate (DBP)	84-74-2	12	Dimethyl phthalate (DMP)	131-11-3	
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	13	Diethyl phthalate (DEP)	84-66-2	
4	Di-n-octyl phthalate (DNOP)	117-84-0	14	Ddi-iso-pentyl phthalate (DIPP)	605-50-5	
5	Di-iso-nonyl phthalate (DINP)	28553-12-0	15	N-pentyl iso-pentyl phthalate (NPIPP)	776297-69-9	
6	Di-iso-decyl phthalate (DIDP)	26761-40-0	16	Dipentyl phthalate (DPP)	131-18-0	
7	Di-isobutyl phthalate (DIBP)	84-69-5	17	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	
8	Di-n-hexyl phthalate (DnHP)	84-75-3	18	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DHP)	68515-50-4	
9	1,2-benzenedicarboxylic acid, di- C7-11 branched alkyl ester and linear alkyl ester (DHNUP)	68515-42-4	19	1,2-benzenedicarboxylic acid, di- C6-10-alkyl esters; 1,2- benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\ge 0.3\%$ of dihexyl phthalate	68515-51-5/ 68648-93-1	
10	1,2-benzenedicarboxylic acid, di- C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6	20	Dicyclohexyl phthalate (DCHP)	84-61-7	



(9319)094-1269 Apr 17, 2019 Page 13 of 13

List o	List of Polynuclear Aromatic Hydrocarbons:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.	
1	Naphthalene	91-20-3	10	Chrysen	218-01-9	
2	Acenaphthylene	208-96-8	11	Benzo (a) pyrene	50-32-8	
3	Acenaphthene	83-32-9	12	Indeno (1,2,3-cd) pyrene	193-39-5	
4	Fluorene	86-73-7	13	Dibenzo (a,h) anthracene	53-70-3	
5	Phenanthrene	85-01-8	14	Benzo (g,h,i) perylene	191-24-2	
6	Anthracene	120-12-7	15	Benzo (b) fluoranthene	205-99-2	
7	Fluoranthene	206-44-0	16	Benzo (k) fluoranthene	207-08-9	
8	Pyrene	129-00-0	17	Benzo (e) pyrene	192-97-2	
9	Benzo (a) anthracene	56-55-3	18	Benzo (j) fluoranthene	205-82-3	

<u>END</u>