

Technical Report: (9319)094-1269

Apr 17, 2019

Date Received: Apr 04, 2019

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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:

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



NINA REN
SENIOR MANAGER



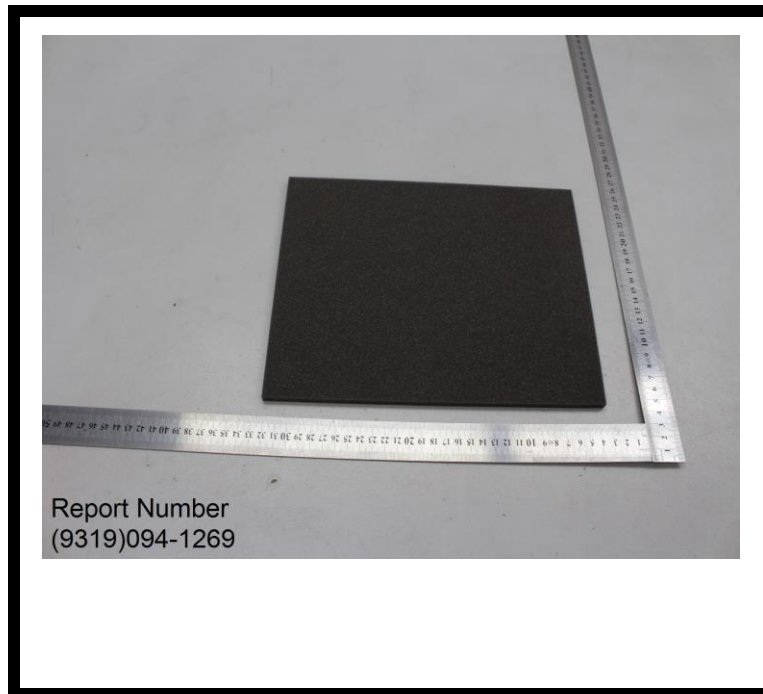
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Photo of the Submitted Sample





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SUMMARY OF TEST RESULTS			
NEW BALANCE RSM 2019 - REQUIREMENT			
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



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TEST RESULT

Total Heavy Metals (Cd, Pb, Hg)

Test Method : Microwave 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

Maximum Limit:	Cd	Pb	Hg
	40 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



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TEST RESULT

Total Heavy Metals (As, Sb, Co)

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

Maximum Limit:	As	Sb	Co
	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 detected
mg/kg = milligram per kilogram
Detection Limit (mg/kg): Each 5

“>” = More than



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TEST RESULT

Total Heavy Metals (Ba, Cr, Se)

Test Method : Microwave 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

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

Note:

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

“>” = More than



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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 (70°C, 60 mins) analysis by Gas Chromatograph Mass Spectrometer
(GC-MS) (For AP)/ Liquid Chromatograph Mass Spectrometer (LC-MS) (For APEO)

Tested Item(s) : 1 Dark grey plastic

Maximum Limit:	OP and NP: 100 mg/kg (Sum) OPEOs and NPEOs: 100 mg/kg (Sum)			
Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
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.



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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	
1	ND	ND	mg/kg	PASS

Note:

ND = Not detected

“>” = More than

Conc. = Concentration

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.



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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

Maximum Limit:	Sum of 20 Listed Phthalates: Less than 500 mg/kg (Sum)			
Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
1	ND	ND	mg/kg	PASS

Note:

ND = Not detected

">" = More than

Conc. = Concentration

mg/kg = milligram per kilogram

Detection Limit (mg/kg): Each 50, Sum 150

Remark:

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



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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 - Chrysen - Dibenzo (a,h) anthracene Sum of 18 PAHs: 10 mg/kg			
Tested Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
1	Naphthalene	0.143	mg/kg	PASS
	Phenanthrene	0.112		
	Sum	0.255		

Note:

ND = Not detected

">" = More than

Conc. = Concentration

mg/kg = milligram per kilogram

Detection Limit (mg/kg): Each 0.1; Sum 0.1

Remark:

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



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

Note:

ND = Not detected
mg/kg = milligram per kilogram

">" = More than

Conc. = Concentration
Detection Limit (mg/kg): 50

Remark:

- Total Fluorine content was subcontracted item.



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APPENDIX

List of Alkylphenols:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Octylphenol (OP)	Various	2	Nonylphenol (NP)	Various
List of Alkylphenol Ethoxylates:					
No.	Name of Analytes	CAS-No.	No.	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	Dibutyltin (DBT)	Various	7	Trimethyltin (TMT)	Various
3	Tributyltin (TBT)	Various	8	Trioctyltin (TOT)	Various
4	Triphenyltin (TPhT)	Various	9	Tripropyltin (TPT)	Various
5	Diocetyl tin (DOT)	Various	-	-	-

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 $\geq 0.3\%$ 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



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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

END