

TEST REPORT

Technical Report: (5219)239-0202 September 6, 2019

Date Received: August 27, 2019 Page 1 of 7

MS. QIMEY MAK CRYSTAL TOWN LTD. UNIT 3-5, 3/F., BLOCK A, FOCAL INDUSTRIAL CENTRE, 21 MAN LOK ST, HUNGHOM, KLN

Sample Description: Sample(s) received is/are stated to be:

MELAMINE

Color:/Style No(s):/Order No.:/PO No.:/Age Grade:/Product End Use:/Vendor:/Retest No.:/Manufacturer:/Supplier Reference:/Buyer:NIKECountry of Origin:/Test Period:September 3, 2019- September 6, 2019Country of Destination:/

Fiber Content: /
Care Instruction: /

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ALKYLPHENOLS (AP)	PASS	
ALKYLPHENOL ETHOXYLATES (APEO)	PASS	
HEAVY METALS	PASS	
FORMALDEHYDE	PASS	
PHTHALATES	PASS	
POLYVINYL CHLORIDE (PVC)	PASS	
VOLATILE ORGANICS	PASS	
MONOMER - STYRENE	PASS	
MONOMER - VINYL CHLORIDE	PASS	

DK

REMARK

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

(852) 2331 0330

analytical-enquiry@hk.bureauveritas.com

BUREAU VERITAS HONG KONG LTD.

MS. YANN LO

MANAGER, ANALYTICAL

Bureau Veritas Hong Kong Ltd.
Consumer Product Services Division
Kowloon Bay Office
1/F, Pacific Trade Centre,
2 Kai Hing Road, Kowloon Bay,
Kowloon, Hong Kong
Telephone: (852) 2331 0330 Fax: (852) 2331 0889
www.cps.bureauveritas.com

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.cps.bureauveritas.com 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 from 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. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence; 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 completeness of this report, the tests conducted and the correctness of the report contents.



(**5219**)**239-0202** September 6, 2019 Page 2 of 7

Photo of the Submitted Sample



SAMPLE DESCRIPTION ASSIGNED BY LABORATORY:

ITEM	ITEM DESCRIPTION
1	Navy plastic (button)

(**5219**)**239-0202** September 6, 2019

Page 3 of 7

TEST RESULT

ALKYLPHENOLS (AP)

Test Method: Textiles: Solvent extraction, EN ISO 18857-2 analysis.

Leathers: With reference to EN ISO 18218-2:2015

Polymers: Solvent extraction with Liquid Chromatograph Mass Spectrometer (LC-

MS) analysis

All other materials: Solvent extraction with Gas Chromatograph Mass Spectrometer

(GC-MS) analysis

Maximum Limit:	OP and NP: 100 mg/kg (Sum)
----------------	----------------------------

Tosted Item(s)	Result	Conclusion		
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): Sum (OP & NP) 10

Remark:

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

ALKYLPHENOL ETHOXYLATES (APEO)

Test Method: Leather: With reference to EN ISO 18218-1:2015

All other materials: With reference to EN ISO 18254-1:2016

Maximum Limit:	OPEOs and NPEOs: 100 mg/kg (Sum)
----------------	----------------------------------

Tosted Item(s)	Result	Conclusion		
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): Sum (OPEO & NPEO) 20

Remark:

- The list of alkylphenol ethoxylates is summarized in table of Appendix.

(5219)239-0202 September 6, 2019 Page 4 of 7

TEST RESULT

HEAVY METALS

Test Method : For Lead Content:

Metal:

CPSC-CH-E1001-08.3

Non-metal:

CPSC-CH-E1002-08.3

Coating:

CPSC-CH-E1003-09.1

Other than Lead content:

For materials other than leather:

With reference to DIN EN 16711-1:2016

For Leather:

With reference to DIN EN ISO 17072-2:2017

Element:		Age Group	Cd	Hg	Pb	As	Sn	Cr
	All Materials Except Natural And Coated Leathers							
	Type I	Adults and Children	40	0.5	90	100	Information	
Maximum Limit		Infant/ Toddler		0.5	70	100	Only	-
(mg/kg):			Natural A	atural And Coated Leathers				
	Type II	Adults and Children 40 0.5 Infant/ Toddler		90	100	Information	ı Only	
	TT 14				D 14			
Tested Item(s)	Unit -	Result						
Type	-	I			<u> </u>		<u> </u>	
Parameter	-	-				-		
Cadmium (Cd)	mg/kg	NI			-			
Mercury (Hg)	mg/kg	NI	ND -		-			
Lead (Pb)	mg/kg	NI	ND -		-			
Tin (Sn)	mg/kg	ND		-		-		
Arsenic (As)	mg/kg	ND		-		-		
Conclusion	-	PAS	SS		-		-	

Note:

ND = Not detected ">" = More than

mg/kg = milligram per kilogram

Detection Limit (mg/kg): Cr 3; Cd 5; Hg 0.1; Pb 10; Sn 0.1; As 10

(**5219**)**239-0202** September 6, 2019

Page 5 of 7

TEST RESULT

FORMALDEHYDE

Test Method I: ISO 14184-1: 2011 (Other than leather)

Test Method II : ISO 17226-1/2: 2017 (Leather)

	Maximum Limit:	Infant Or Toddler: 16 mg/kg
Little Klus, Dig Klus, Adults: 75 llig/kg	Maximum Limit:	Little Kids, Big Kids, Adults: 75 mg/kg

Tested Item(s)	Test Method	Result	Unit	Conclusion
1	Ī	8	mg/kg	PASS

Note:

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

Conc. = Concentration

PHTHALATES

Test Method: With reference to CPSC-CH-C1001-09-4 and EN ISO 14389:2014

Maximum Limit:	500 mg/kg (Each)
Maximum Limit:	1000 mg/kg (Total)

Tosted Item(s)	d Itam(s) Result			Conclusion	
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion	
1	ND	ND	mg/kg	PASS	

Note:

ND = Not detected ">" = More than mg/kg = milligram per kilogram

Conc. = Concentration

Remark:

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

POLYVINYL CHLORIDE (PVC)

Detection Limit (mg/kg): Each 50

Test Method: Beilstein test and Fourier Transform Infrared Spectroscopy (FT-IR) with or without

chemical separation.

Maximum Limit:	PVC Free	
Tested Item(s)	Result	Conclusion
1	PVC is not Found	PASS

Note:

ND = Not detected ">" = Greater than

% = percent = 10000 mg/kg mg/kg = milligram per kilogram

Detection Limit (%): 10 (For FTIR)



(**5219**)**239-0202** September 6, 2019

Page 6 of 7

TEST RESULT

VOLATILE ORGANICS

Test Method: Direct analysis by Headspace Gas Chromatograph Mass Spectrometer (HS-GC-MS)

Limit:	Benzene: 5 mg/kg Others: 1000mg/kg (Total)

Tosted Itom(s)	Result	Conclusion		
Tested Item(s)	Detected Analyte(s)	Conc.	Unit	Conclusion
1 ND		ND	mg/kg	PASS

Note:

ND = Not detected

">" = Greater than

Conc. = Concentration

mg/kg = milligram per kilogram

Detection Limit (mg/kg): Benzene: 5, Others: 20 (Each)

Remark:

- The list of volatile organics is summarized in table of Appendix.

MONOMER - STYRENE

Test Method: Direct analysis by Headspace Gas Chromatograph Mass Spectrometer (HS-GC-MS)

or Organic solvent extraction, analysis by Gas Chromatograph Mass Spectrometer

(GC-MS).

Maximum Limit:	500 mg/kg
Maximum Limit.	500 mg/kg

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

Note:

ND = Not detected mg/kg = milligram per kilogram ">" = More than

Conc. = Concentration

MONOMER – VINYL CHLORIDE

Detection Limit (mg/kg): 50

Test Method: With reference to EN ISO 6401:2008

Maximum Limit: 1 mg/kg

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

Note:

ND = Not detected mg/kg = milligram per kilogram Detection Limit (mg/kg): 1 ">" = More than

Conc. = Concentration

END



(**5219**)**239-0202** September 6, 2019 Page 7 of 7

APPENDIX

List of Alkylphenols:					
No.	Name of Analytes	No.	Name of Analytes		
1	Octylphenol (OP)	2	Nonylphenol (NP)		

List of Alkylphenol Ethoxylates:					
No.	Name of Analytes	No.	Name of Analytes		
1	Octylphenolethoxylates (OPEOs)	2	Nonylphenolethoxylates (NPEOs)		

List of Phthalates:							
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.		
1	Di-Iso-nonylphthalate (DINP)	28553-12-0	11	Di-n-pentyl phthalate (DPENP)	131-18-0		
2	Di-n-octylphthalate (DNOP)	117-84-0	12	Dicyclohexyl phthalate (DCHP)	84-61-7		
3	Di(2-ethylhexyl)-phthalate (DEHP)	117-81-7	13	1,2-benzenedicarboxylic acid, di- C6-8-branched alkyl esters, C7-rich	71888-89-6		
4	Diisodecylphthalate (DIDP)	26761-40-0	14	Bis(2-methoxyethyl) phthalate	117-82-8		
5	Butylbenzylphthalate (BBP)	85-68-7	15	Diisopentyl phthalate (DIPP)	605-50-5		
6	Dibutylphthalate (DBP)	84-74-2	16	Dipropyl phthalate (DPRP)	131-16-8		
7	Diisobutylphthalate (DIBP)	84-69-5	17	Diisooctyl phthalate (DIOP)	27554-26-3		
8	Di-n-hexylphthalate (DnHP)	84-75-3	18	Diisohexyl phthalate (DIHP)	68515-50-4		
9	Diethylphthalate (DEP)	84-66-2	19	1,2-Benzenedicarboxylic acid, di- C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4		
10	Dimethylphthalate (DMP)	131-11-3	20	1,2-benzenedicarboxylic acid Dipentyl ester, branched and linear	84777-06-0		

List of Volatile Organics:							
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.		
1	Pentachloroethane	76-01-7	10	Benzene	71-43-2		
2	Carbon Tetrachloride	56-23-5	11	Chloroform	67-66-3		
3	1,1,1,2-Tetrachloroethane	630-20-6	12	1,2-Dichloroethane	107-06-2		
4	1,1,2,2-Tetrachloroethane	79-34-5	13	Toluene	108-88-3		
5	1,1,1-Trichloroethane	71-55-6	14	Xylene (meta-, ortho-, para-)	1330-20-7, 108-38-3, 85-47-6, 106-42-3		
6	1,1,2-Trichloroethane	79-00-5	15	Carbon Disulfide	75-15-0		
7	1,1-Dichloroethylene	75-35-4	16	Ethylbenzene	100-41-4		
8	Trichloroethylene	79-01-6	17	Cyclohexanone	108-94-1		
9	Tetrachloroethylene	127-18-4	-	-	-		