



中国认可  
国际互认  
检测  
TESTING  
CNAS L4783



# Test Report

Report No.: NAP2304001301E

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Applicant: Medicare Plus Company Limited

Address: Room E, 3/F, Phase 1 Hang Fung Ind. Bldg, Hung Hom, KL, Hong Kong

The following test sample information is provided and confirmed by the applicant:

Sample Name: Ergonomic Mesh Office Chair

Main Test Model: MD-OF-Chair-01

Series Model: MD-OF-Chair-02

Trade mark: MEDICARE

Manufacture: Medicare Plus Company Limited

Manufacture Address: Room E, 3/F, Phase 1 Hang Fung Ind. Bldg, Hung Hom, KL, Hong Kong

Date of sample(s) received: Apr.06,2023

Date of Test Period: Apr.07,2023 ~ Apr.13,2023

Date of Report: Apr.13,2023

## Test Requested

1. BS EN 71-3:2019+A1:2021-Migration of Certain Elements.
2. BS EN 14372:2004 Child use and care articles-Cutlery and feeding utensils  
Safety requirements and tests-Phthalate content.
3. As specified by client, to determine the Halogen content in the submitted sample.
4. As specified by client, to determine the Free and hydrolysed formaldehyde content in the submitted sample.

## Conclusion

PASS

PASS

Data As Report

Data As Report

NAP Testing Technology Service (Zhongshan) Co., LTD

练艺

Authorized Signatory



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## Test Result(s):

### 1. EN 71-3:2019+A1:2021-Migration of Certain Elements

Test Method: Refer to BS EN 71-3:2019+A1:2021, analyzed by ICP-OES, IC-UV/Vis and ICP-MS.

Test Item(s)	MDL (mg/kg)	Test result (mg/kg)			Category III Limit (mg/kg)
		001	002	003	
Soluble Aluminum(Al)	50	N.D.	N.D.	N.D.	28130
Soluble Antimony(Sb)	5	N.D.	N.D.	N.D.	560
Soluble Arsenic(As)	5	N.D.	N.D.	N.D.	47
Soluble Barium(Ba)	5	N.D.	N.D.	N.D.	18750
Soluble Boron(B)	5	N.D.	N.D.	N.D.	15000
Soluble Cadmium(Cd)	5	N.D.	N.D.	N.D.	17
Soluble Chromium(Cr <sup>3+</sup> )	5	N.D.	N.D.	N.D.	460
Soluble Chromium(Cr <sup>6+</sup> )	0.025	N.D.	N.D.	N.D.	0.053
Soluble Cobalt(Co)	5	N.D.	N.D.	N.D.	130
Soluble Copper(Cu)	5	N.D.	N.D.	N.D.	7700
Soluble Lead(Pb)	5	N.D.	N.D.	N.D.	23
Soluble Manganese(Mn)	20	N.D.	N.D.	N.D.	15000
Soluble Mercury(Hg)	5	N.D.	N.D.	N.D.	94
Soluble Nickel(Ni)	5	N.D.	N.D.	N.D.	930
Soluble Selenium(Se)	5	N.D.	N.D.	N.D.	460
Soluble Strontium(Sr)	5	N.D.	N.D.	N.D.	56000
Soluble Tin(Sn)	5	N.D.	N.D.	N.D.	180000
Soluble Zinc(Zn)	5	19	5	N.D.	46000
Organic tin (Sn)	2	N.D.	N.D.	N.D.	12

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Test Item(s)	MDL (mg/kg)	Test result (mg/kg)			CategoryⅢ Limit (mg/kg)
		004	005	008	
Soluble Aluminum(Al)	50	N.D.	N.D.	N.D.	28130
Soluble Antimony(Sb)	5	N.D.	N.D.	N.D.	560
Soluble Arsenic(As)	5	N.D.	N.D.	N.D.	47
Soluble Barium(Ba)	5	N.D.	N.D.	N.D.	18750
Soluble Boron(B)	5	N.D.	N.D.	N.D.	15000
Soluble Cadmium(Cd)	5	N.D.	N.D.	N.D.	17
Soluble Chromium(Cr <sup>3+</sup> )	5	N.D.	N.D.	N.D.	460
Soluble Chromium(Cr <sup>6+</sup> )	0.025	N.D.	N.D.	N.D.	0.053
Soluble Cobalt(Co)	5	N.D.	N.D.	N.D.	130
Soluble Copper(Cu)	5	N.D.	N.D.	N.D.	7700
Soluble Lead(Pb)	5	N.D.	N.D.	N.D.	23
Soluble Manganese(Mn)	20	N.D.	N.D.	N.D.	15000
Soluble Mercury(Hg)	5	N.D.	N.D.	N.D.	94
Soluble Nickel(Ni)	5	N.D.	N.D.	N.D.	930
Soluble Selenium(Se)	5	N.D.	N.D.	N.D.	460
Soluble Strontium(Sr)	5	N.D.	N.D.	N.D.	56000
Soluble Tin(Sn)	5	N.D.	N.D.	N.D.	180000
Soluble Zinc(Zn)	5	N.D.	11	7	46000
Organic tin (Sn)	2	N.D.	N.D.	N.D.	12

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Test Item(s)	MDL (mg/kg)	Test result (mg/kg)			CategoryⅢ Limit (mg/kg)
		009	010	014	
Soluble Aluminum(Al)	50	N.D.	N.D.	75	28130
Soluble Antimony(Sb)	5	N.D.	N.D.	N.D.	560
Soluble Arsenic(As)	5	N.D.	N.D.	N.D.	47
Soluble Barium(Ba)	5	N.D.	6	729	18750
Soluble Boron(B)	5	N.D.	N.D.	N.D.	15000
Soluble Cadmium(Cd)	5	N.D.	N.D.	N.D.	17
Soluble Chromium(Cr <sup>3+</sup> )	5	N.D.	N.D.	N.D.	460
Soluble Chromium(Cr <sup>6+</sup> )	0.025	N.D.	N.D.	N.D.	0.053
Soluble Cobalt(Co)	5	N.D.	N.D.	N.D.	130
Soluble Copper(Cu)	5	N.D.	N.D.	N.D.	7700
Soluble Lead(Pb)	5	N.D.	N.D.	N.D.	23
Soluble Manganese(Mn)	20	N.D.	N.D.	N.D.	15000
Soluble Mercury(Hg)	5	N.D.	N.D.	N.D.	94
Soluble Nickel(Ni)	5	N.D.	N.D.	N.D.	930
Soluble Selenium(Se)	5	N.D.	N.D.	N.D.	460
Soluble Strontium(Sr)	5	8	N.D.	151	56000
Soluble Tin(Sn)	5	N.D.	N.D.	N.D.	180000
Soluble Zinc(Zn)	5	16	89	254	46000
Organic tin (Sn)	2	N.D.	N.D.	N.D.	12

## Remark(s):

1. N.D.=Not Detected; MDL= Method Detection Limits; 1 mg/kg = 0.0001%.
2. Soluble tin does not exceed 2.5mg/kg, organic tin result references the soluble tin.
3. The results shown are the total weight of the sample.
4. This item is not within the CNAS approval scope.

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## 2. Phthalates content

Test Method: Refer to BS EN 14372:2004, analyzed by GC-MS.

Test Item(s)	MDL (%)	Test result (%)		Limit (%)
		001+002+003	004+006+007	
Di(2-Ethylhexyl) phthalate (DEHP)	0.005	0.005	N.D.	—
Dibutyl phthalate (DBP)	0.005	N.D.	N.D.	—
Di-isononyl phthalate (DINP)	0.005	N.D.	N.D.	—
Dipentyl Phthalate (DNOP)	0.005	N.D.	N.D.	—
Butylbenzyl phthalate (BBP)	0.005	N.D.	N.D.	—
Diisobutyl Phthalate, (DIBP)	0.005	N.D.	N.D.	—
The sum	—	N.D.	N.D.	0.1

Test Item(s)	MDL (%)	Test result (%)		Limit (%)
		010+011+013	012	
Di(2-Ethylhexyl) phthalate (DEHP)	0.005	N.D.	N.D.	—
Dibutyl phthalate (DBP)	0.005	N.D.	N.D.	—
Di-isononyl phthalate (DINP)	0.005	N.D.	N.D.	—
Dipentyl Phthalate (DNOP)	0.005	N.D.	N.D.	—
Butylbenzyl phthalate (BBP)	0.005	N.D.	N.D.	—
Diisobutyl Phthalate, (DIBP)	0.005	N.D.	N.D.	—
The sum	—	N.D.	N.D.	0.1

Remark(s):

1. N.D.=Not Detected; MDL= Method Detection Limits; 1 mg/kg = 0.0001%;"—"= Not Applicable.
2. The results shown are the total weight of the sample.
3. This item is not within the CNAS approval scope.

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## 3. Halogen content

Test Method: Refer to BS EN 14582:2016, analyzed by IC.

Test Item(s)	MDL (mg/kg)	Test result (mg/kg)		
		001+002+003	004	006
Fluorine (F)	50	N.D.	223	170
Chlorine (Cl)	50	138	N.D.	N.D.
Bromine (Br)	50	N.D.	N.D.	N.D.
Iodine (I)	50	N.D.	N.D.	N.D.

Test Item(s)	MDL (mg/kg)	Test result (mg/kg)		
		007	010	011
Fluorine (F)	50	185	167	N.D.
Chlorine (Cl)	50	N.D.	114	163
Bromine (Br)	50	N.D.	N.D.	N.D.
Iodine (I)	50	N.D.	N.D.	N.D.

Test Item(s)	MDL (mg/kg)	Test result (mg/kg)	
		012	013
Fluorine (F)	50	96	N.D.
Chlorine (Cl)	50	888	N.D.
Bromine (Br)	50	N.D.	N.D.
Iodine (I)	50	N.D.	N.D.

Remark(s):

1. N.D.=Not Detected; MDL= Method Detection Limits; 1 mg/kg = 0.0001%.
2. The results shown are the total weight of the sample.

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## 4. Free and hydrolysed formaldehyde content

Test Method: Refer to ISO 14184-1:2011, analyzed by UV-Vis.

Test Item(s)	MDL (mg/kg)	Test result (mg/kg)		
		005	008	009
Formaldehyde	16	N.D.	N.D.	N.D.

Remark(s):

1. N.D.=Not Detected); MDL= Method Detection Limits.
2. As specified by client, refer to ISO 14184-1:2011 for testing.

## Sample description:

- (001) Black plastic frame
- (002) Grey plastic shell
- (003) Black plastic knob
- (004) Grey plastic knob
- (005) Black textiles
- (006) White plastic components
- (007) Yellow plastic sponge
- (008) Blue textiles
- (009) Black textiles
- (010) Black plastic shell
- (011) White plastic sponge
- (012) Yellow wooden board
- (013) White plastic shaft
- (014) Black coating

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**Photo(s) of test sample(s):**



**(Whole product 1)**



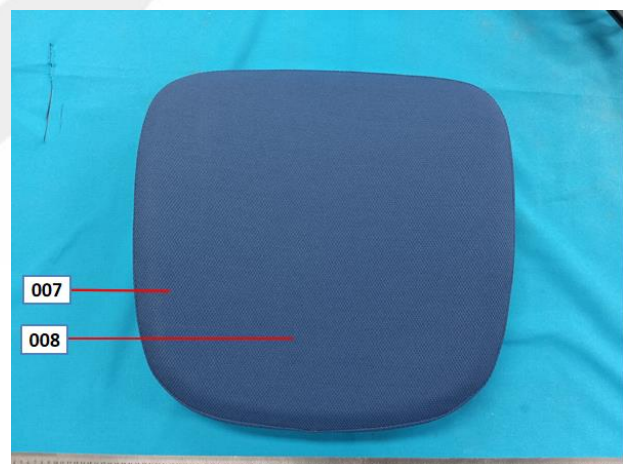
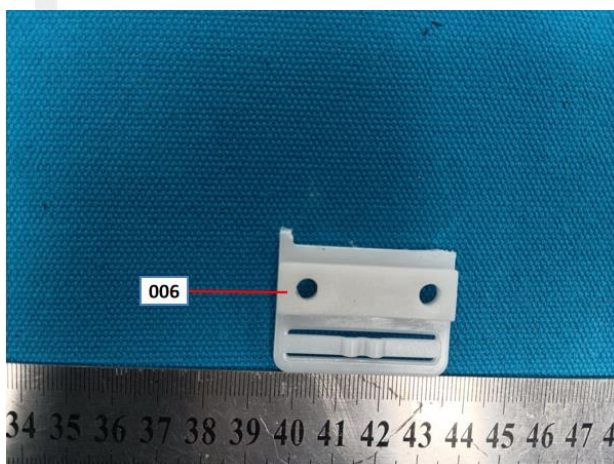
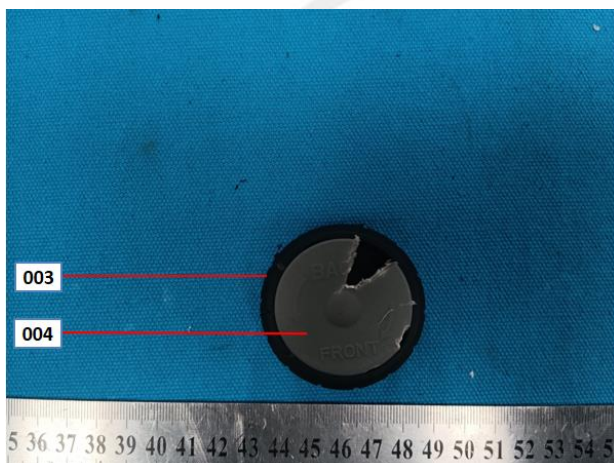
**(Whole product 2)**

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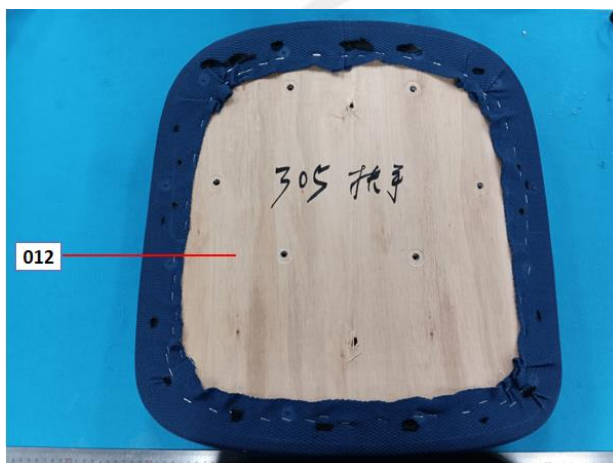
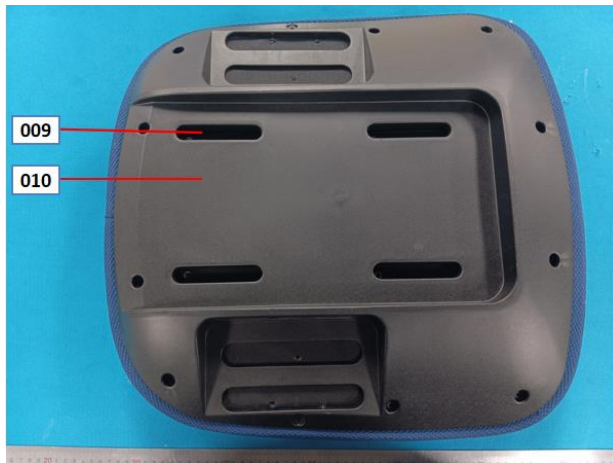
NAP Testing Technology Service (Zhongshan) Co., LTD  
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## Remark(s):

1. Whole product 2 photo provided by the customer.

\*\*\*\*\* End of Report \*\*\*\*\*

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