Test Report

Applicant : MID OCEAN BRANDS B.V.
UNIT 711-716, 7/F., TOWER A, 83 KING LAM STREET, CHEUNG SHA WAN, KOWLOON

Attn : DEREK HUI

Issue Date : Dec 15, 2025

SAMPLE DESCRIPTION AS DECLARED

Sample Description	Twenty (20) pieces of submitted samples said to be oven gloves in Red
Standard	BS EN ISO 21420:2020+A1:2024 / EN ISO 21420:2020+A1:2024 / ISO 21420:2020+A1:2022 EN 407:2020
Style Name	KC6388
Manufacturer	107961
Ref.	Oven glove
Inner Padding	480 gsm Polyester
Goods Exported To	Europe
Date of Sample Received	Dec. 05, 2025
Testing Period	Dec. 05, 2025-Dec. 12, 2025
Date Final Information Confirmed / Date Payment Received	--

Approved By:
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Guiliang Dong
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1 Cleaning

BS EN ISO 21420:2020+A1:2024 / EN ISO 21420:2020+A1:2024 / ISO 21420:2020+A1:2022, 4.3

As Care Instructions Were Provided, The Relevant Performance-related Tests Of This Document And The Specific Standards Were Performed On The Gloves, Before And After They Had Been Subjected To The Maximum Recommended Number Of Cleaning Cycles. (A)

Wash Condition:

Washing Standard:	ISO 6330:2021
Machine:	Type A
Reagent:	Reference Detergent 3
Washing Procedure:	3N
Bleaching Procedure:	Do Not Bleach
Drying Procedure:	Do Not Tumble Dry Line Drying
Ironing Procedure:	Do Not Iron
Professional Textile Care Procedure:	Do Not Dry Clean
Number Of Cycles:	25

2 Glove Design And Construction - General

BS EN ISO 21420:2020+A1:2024 / EN ISO 21420:2020+A1:2024 / ISO 21420:2020+A1:2022, 4.1

Before Washing

SAMPLE (A)			
Requirement	Yes	No	N/A
The Protector Shall Be Designed And Manufactured So That In The Foreseeable Conditions Of Use, The User Can Perform The Activity As Normally As Possible With An Appropriate Protection. This Document Along With The Appropriate Specific Standards Shall Be Used To Verify This Adequation.	√		
If Required In The Relevant Specific Standard (For Example ISO 16073:2011, 5.7.3), The Glove Shall Be Designed To Minimize The Donning And Doffing Time.	√		
For Reusable Multilayer Protector, The Gloves Shall Be Able To Doffed Without Separation Of The Layers Of The Fingers. When The Protector Construction Includes Seams, The Material And Strength Of The Seams Shall Be Such That The Overall Performance Of The Protector Is Not Significantly Decreased As Required In The Relevant Specific Standards.	√		

After Washing

SAMPLE (A)			
Requirement	Yes	No	N/A
The Protector Shall Be Designed And Manufactured So That In The Foreseeable Conditions Of Use, The User Can Perform The Activity As Normally As Possible With An Appropriate Protection. This Document Along With The Appropriate Specific Standards Shall Be Used To Verify This Adequation.	√		
If Required In The Relevant Specific Standard (For Example ISO 16073:2011, 5.7.3), The Glove Shall Be Designed To Minimize The Donning And Doffing Time.	√		
For Reusable Multilayer Protector, The Gloves Shall Be Able To Doffed Without Separation Of The Layers Of The Fingers. When The Protector Construction Includes Seams, The Material And Strength Of The Seams Shall Be Such That The Overall Performance Of The Protector Is Not Significantly Decreased As Required In The Relevant Specific Standards.	√		

3 Glove Length

BS EN ISO 21420:2020+A1:2024 / EN ISO 21420:2020+A1:2024 / ISO 21420:2020+A1:2022, 6.1

(A)

Before Washing

Size		
Specimen 1	Glove Length:	250 mm
Specimen 2	Glove Length:	245 mm
Specimen 3	Glove Length:	248 mm

After Washing

Size		
Specimen 1	Glove Length:	225 mm
Specimen 2	Glove Length:	230 mm
Specimen 3	Glove Length:	232 mm

4 Contact Heat

EN 407:2020, 6.3 & EN ISO 12127-1:2015

(A)

Before Washing		
Test Area:	Palm Of The Glove (No Pretreatment)	
Contact Temperature		Threshold Time
250°C	Specimen 1	30 Seconds
	Specimen 2	25 Seconds
	Specimen 3	27 Seconds
Observation (^): Innermost Layers Of The Glove Showed No Sign Of Melting And Holing.		
Contact Temperature		Threshold Time
350°C	Specimen 1	8 Seconds
	Specimen 2	7 Seconds
	Specimen 3	7 Seconds
Observation (^): Innermost Layers Of The Glove Showed Sign Of Melting And Holing.		

After Washing		
Test Area:	Palm Of The Glove	
Contact Temperature		Threshold Time
250°C	Specimen 1	32 Seconds
	Specimen 2	29 Seconds
	Specimen 3	26 Seconds
Observation (^): Innermost Layers Of The Glove Showed No Sign Of Melting And Holing.		
Contact Temperature		Threshold Time
350°C	Specimen 1	8 Seconds
	Specimen 2	9 Seconds
	Specimen 3	9 Seconds
Observation (^): Innermost Layers Of The Glove Showed Sign Of Melting And Holing.		
Performance Level (^1 & ^2):	2	

Remark: ^ = Innermost Layers Of The Glove Shall Show No Sign Of Melting And Holing.

^1 = The Performance Level Based On The Lowest Of The Single Value.

^2 = For Contact Heat Performance Levels Of 3 Or 4, The Limited Flame Spread Test Shall Be Performed. The Product Shall Reach At Least Level 3 In The Limited Flame Spread Test, Otherwise The Maximum Contact Heat Performance That Shall Be Reported Is Level 2.

Performance Level	Contact Temperature Tc (°C)	Threshold Time t_t (s)
1	100	≥ 15
2	250	≥ 15
3	350	≥ 15
4	500	≥ 15

5 Tear Resistance

EN 407:2020, 6.8

(A)

Before Washing		Requirement	Pass/Fail
Test Area:	Palm Of The Glove		
Specimen 1:	151 N	≥ 10 N	Pass
Specimen 2:	186 N	≥ 10 N	Pass
Specimen 3:	184 N	≥ 10 N	Pass
Specimen 4:	183 N	≥ 10 N	Pass

After Washing		Requirement	Pass/Fail
Test Area:	Palm Of The Glove		
Specimen 1:	206 N	≥ 10 N	Pass
Specimen 2:	207 N	≥ 10 N	Pass
Specimen 3:	179 N	≥ 10 N	Pass
Specimen 4:	231 N	≥ 10 N	Pass

6 Azo Colourants Content

With Reference To Test Method: Textile Method (ISO 14362-1: 2017);
Amines Content Was Determined By Gas Chromatography-Mass Spectrometry (GC-MS)

	Forbidden Amine	CAS No.	Result (mg/kg)			
			Method T		Method D	
			(1)	(2)	(1)	(2)
1.	4-Aminodiphenyl	92-67-1	<5	<5	<5	<5
2.	Benzidine	92-87-5	<5	<5	<5	<5
3.	4-Chloro-o-toluidine	95-69-2	<5	<5	<5	<5
4.	2-Naphthylamine	91-59-8	<5	<5	<5	<5
5.	o-Aminoazotoluene	97-56-3	<5	<5	<5	<5
6.	2-Amino-4-nitrotoluene	99-55-8	<5	<5	<5	<5
7.	p-Chloroaniline	106-47-8	<5	<5	<5	<5
8.	2,4-Diaminoanisole	615-05-4	<5	<5	<5	<5
9.	4,4'-Diaminodiphenylmethane	101-77-9	<5	<5	<5	<5
10.	3,3'-Dichlorobenzidine	91-94-1	<5	<5	<5	<5
11.	3,3'-Dimethoxybenzidine	119-90-4	<5	<5	<5	<5
12.	3,3'-Dimethylbenzidine	119-93-7	<5	<5	<5	<5
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	<5	<5	<5	<5
14.	p-Cresidine	120-71-8	<5	<5	<5	<5
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	<5	<5	<5	<5
16.	4,4'-Oxydianiline	101-80-4	<5	<5	<5	<5
17.	4,4'-Thiodianiline	139-65-1	<5	<5	<5	<5
18.	o-Toluidine	95-53-4	<5	<5	<5	<5
19.	2,4-Toluylenediamine	95-80-7	<5	<5	<5	<5
20.	2,4,5-Trimethylaniline	137-17-7	<5	<5	<5	<5
21.	o-Anisidine	90-04-0	<5	<5	<5	<5
22.[a]	4-Aminoazobenzene	60-09-3	<5	<5	<5	<5

Remark: Requirement = 30 mg/kg
Reporting limit = 5 mg/kg

Method T: Direct buffer extraction as per ISO 14362-1: 2017 Section 10.2
Method D: Colourant extraction with Xylene as per ISO 14362-1: 2017 Section 10.1

Tested Components: Please See Component List In The Last Section of This Report

Conclusion:

Tested Samples/ Tested Components	Standard	Result
	BS EN ISO 21420:2020+A1:2024 Protective Gloves - General requirements and test methods- Azo Colourants Content	Pass

7 pH Value

AS Per BS EN ISO 21420:2020+A1:2024 , 4.2, With Reference To BS EN ISO 3071:2020 For Textile, Potassium Chloride (KCl) Solution Extracted, pH Value Was Measured By pH Meter.

Tested Sample/Component	Result	Requirement's
(1)	6.5	3.5-9.5
(2)	5.8	3.5-9.5
(3)	6.5	3.5-9.5
(4)	6.5	3.5-9.5

Temperature Of The Extracting Solution: 23.9 °C
pH Of The Extracting Solution:6.05

Tested Components: Please See Component List In The Last Section Of This Report.

Conclusion:

Tested Samples/ Tested Components	Test Item/Standard	Result
	BS EN ISO 21420:2020+A1:2024 For pH Value	Pass

Component List

Sample	No.	Component
A	(1)	Red woven fabric (body).
A	(2)	Dark red woven fabric (cuff binding).
A	(3)	White non-woven fabric (lining).
A	(4)	White Polyester (inner padding).

End of Report