

TEST REPORT

28 April 2025

Description

DISPOSABLE GLOVES

VIKANG powered anti-microbial Disposable gloves engineered for professional use—reliable protection, consistent quality, and efficient bulk supply for high-demand environments.



National Polymer Material Quality Inspection and Testing Center (Anhui) Anhui Functional Polymer Material Analysis & Research Co., Ltd.

MA (Metrology Accreditation): 231200110732

Report No.: Wan Zhi Jian Zi No. 2025-SL-1103

Sample Name: Anti-microbial Disposable Gloves

Applicant: ATWP Co., Ltd. (Supplier Ref: SP-CY16)

Inspection Category: Commissioned Inspection

Analysis Type: Polymer Material Analysis

Test Result: See next page

RESEARCH TEST RESULT:

Item	Details
Sample Name	Anti-microbial Disposable Gloves
Specifications/Model	280 x 258 x 0.009 mm
Production Date/Batch	2025.04.15
Manufacturer	ATWP Co., Ltd. (Supplier Ref: SP-CY16)
Sample Quantity	100 pcs
Sample Status	Normal
Arrival Date	2025.04.16
Testing Date	2025.04.16 to 2025.04.28
Inspection Basis	Q/AWBS001-2021 "Disposable Plastic Gloves"; GB 15979-2002 "Hygienic Standard for Disposable Sanitary Products"; GB 4806.7-2023 "National Food Safety Standard - Food Contact Plastic Materials and Products"
Inspection Conclusion	The tested items for this sample are qualified.

Notes:

Material: PE (Intended for contact with various foods).
Specimen contact area to food simulant ratio: 6.00 dm²/kg.
Sample information authenticity confirmed by the applicant.

PHYSICAL AND CHEMICAL TEST RESULTS:

No.	Inspection Item	Technical Requirements	Test Result	Evaluation	Method
1	Length Deviation (mm)	±5	1	Pass	GB/T 6673
2	Palm Width Deviation (mm)	±2	+1, -1	Pass	GB/T 6673
3	Thickness Avg. Deviation (%)	±10	-1.6	Pass	GB/T 6672
4	Appearance Quality	Transparent, uniform texture, no odor, no scratches	Compliant	Pass	Visual/Odor
5	Sensory (Soak Liquid)	No turbidity, precipitation, or abnormal odor	Compliant	Pass	GB 4806.7
6	Total Migration				GB 31604.8
	4% Acetic Acid (70°C, 2h)	< 10 mg/dm ²	2	Pass	
	10% Ethanol (70°C, 2h)	< 10 mg/dm ²	<1	Pass	
	95% Ethanol (60°C, 2h)	< 10 mg/dm ²	2.2	Pass	
7	KMnO ₄ Consumption	≤ 10 mg/kg	0.69	Pass	GB 31604.2
8	Heavy Metals (as Pb)	< 1 mg/kg	<1	Pass	GB 31604.9
9	Decolorization Test				GB 31604.7
	4% Acetic Acid/Ethanol Wipe	Negative	Negative	Pass	

SPECIFIC MIGRATION OF PRIMARY AROMATIC AMINES (PAAS)

The report tests for 40 different Primary Aromatic Amines (No. 10 to No. 39) using 4% Acetic Acid (70°C, 2h).

No.	Inspection Item	Technical Requirement	Test Result	Evaluation
10	Total PAA Migration	Not Detectable (DL=0.01mg/kg)	Not Detected	Pass
11	p-Phenylenediamine	/	Not Detected (DL: 1 µg/kg)	Pass
12	m-Phenylenediamine	/	Not Detected (DL: 1 µg/kg)	Pass
13	2,4-Diaminotoluene	/	Not Detected (DL: 1 µg/kg)	Pass
14-39	Various PAAs (Aniline, Benzidine, etc.)	/	Not Detected	Pass

MICROBIOLOGICAL TEST RESULTS

No.	Inspection Item	Technical Requirements	Test Result	Pass	Method
40	Pathogenic Bacteria			Pass	GB 15979
	Pseudomonas aeruginosa	Not Detected	Not Detected	Pass	
	Staphylococcus aureus	Not Detected	Not Detected	Pass	
	Hemolytic Streptococcus	Not Detected	Not Detected	Pass	
41	Coliforms	Not Detected	Not Detected	Pass	GB 15979
42	Total Fungal Count	≤ 100 cfu/g	< 20	Pass	GB 15979
43	Total Bacterial Count	≤ 200 cfu/g	< 20	Pass	GB 15979