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## TECHNICAL REPORT

Anhui Intco Medical products Co., Ltd No. 6, Haitang South Road Suixi Wuhu Modern Industrial Park Suixi County, Anhui Province Huaibei City 235000 China	SATRA reference:	CHT2019861	
		2508	1
	Report ID/Issue number:	49384/1	
	Your reference:		
	Date samples received:	17/02/2025	
	Date(s) work carried out:	25/02/2025 to 05/03/2025	
	Date of report:	05/03/2025	

### Testing Requirements

Innocuousness (PAHs, Phthalates) tests on Disposable Vinyl Gloves. Color: Clear, Blue, Yellow.

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For SATRA's statements regarding the confidentiality, publication and dissemination of this report, decision rules and UKAS accreditation please see the final page of this technical report.

Report Signed by:

Adam Zhang

*Adam Zhang*  
Report Signatory

**SAMPLE SUBMITTED**

		
<b>A</b> Disposable Vinyl Gloves Color: Clear	<b>B</b> Disposable Vinyl Gloves Color: Blue	<b>C</b> Disposable Vinyl Gloves Color: Yellow

**TESTING REQUESTED**

EN ISO 21420: 2020+A1: 2024 Clause 4.2 – Innocuousness of protective gloves

**CONCLUSION**

The samples were found to achieve the following results:

EN ISO 21420: 2020+A1: 2024 Clause 4.2 – PASS PAHs, Phthalates

Detailed results are included on the following page(s)

# SATRA Technical Report

## TESTING

Testing was conducted at a third-party laboratory and reported under their reference A112502250032. The laboratory is CNAS accredited to ISO 17025: 2017.

## TEST MATERIALS LIST OF CHEMICALS

Material(s) No.	Description	Location	Style	Remark
1	Clear soft plastic	Gloves	A	-
2	Blue soft plastic	Gloves	B	-
3	Yellow soft plastic	Gloves	C	-

Note: The samples submitted by SATRA are described as Disposable Vinyl Gloves. Color: Clear, Blue, Yellow.

## TEST RESULT

### Polycyclic Aromatic Hydrocarbons (PAHs) Content - EN ISO 21420:2020+A1:2024

**Test Method** : With reference to ISO 16190-2021 and analysis by Gas Chromatograph Mass Spectrometer.

<b>Maximum Limit:</b>	<b>Each of all listed PAHs: 1.0 mg/kg</b>
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Test Item(s)	Result		Unit	Conclusion
	Detected Analyte(s)	Conc.		
1+2+3	ND	ND	mg/kg	<b>PASS</b>

Note / Key: ND = Not detected (<Detection Limit)      Detection Limit (mg/kg) : Each : 0.1;  
mg/kg = milligram per kilogram = ppm = part per million

### APPENDIX

#### List of Polynuclear Aromatic Hydrocarbons:

No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Chrysene	218-01-9	5	Dibenzo (a,h) anthracene	53-70-3
2	Benzo (a) pyrene	50-32-8	6	Benzo (b) fluoranthene	205-99-2
3	Benzo (e) pyrene	192-97-2	7	Benzo (j) fluoranthene	205-82-3
4	Benzo (a) anthracene	56-55-3	8	Benzo (k) fluoranthene	207-08-9

# SATRA Technical Report

## Phthalates Content in Toys and Childcare Articles - European Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Annex XVII, Entry 51 with Amendments up to (EU) No. 2018/2005

**Test Method** : With reference to EN ISO 14389:2022, and then analyzed by Gas Chromatograph Mass Spectrometer.

Analyte	Unit	Result
		1+2+3
Di(2-ethylhexyl)-phthalate (DEHP)	mg/kg	ND
Dibutylphthalate (DBP)	mg/kg	ND
Butylbenzylphthalate (BBP)	mg/kg	ND
Diisobutylphthalate (DIBP)	mg/kg	ND
Sum of above	mg/kg	ND
<b>Conclusion</b>	-	<b>Pass</b>

Note / Key :ND = Not Detected (<Detection Limit) Detection Limit(mg/kg) : 50  
mg/kg = milligram per kilogram = ppm = part per million

Client's Requirement(mg/kg):  
Individual: 1000  
Two Composites: 500  
Three Composites: 300

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## Conditions of Use

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### Confidentiality and Dissemination

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SATRA test reports may be forwarded to other parties provided that they are not changed in any way and are not marked as confidential. Test reports must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

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### Liability

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Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

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### Accreditation

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Where the UKAS logo is included on the test report then tests marked  $\neq$  fall outside the UKAS Accreditation Schedule for SATRA. Where no UKAS logo is included on the test report then none of the tests reported are covered by SATRA's UKAS Accreditation.

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### Uncertainty of Measurement and Decision Rules

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Where values for uncertainty of measurement are included within the report then the uncertainty of the corresponding results are based on a standard uncertainty multiplied by a coverage factor  $k=2$ , which provides a coverage probability of approximately 95%.

When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

Where the result corrected for uncertainty falls outside of the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 50%. In this instance SATRA will not provide a Pass/Fail statement or a class or level but will include information in the notes in relation to the result obtained.

Where a report contains SATRA guidelines values then uncertainty of measurement values have been taken into account when determining the guideline values and as such are not considered when determining pass/ fail criteria.

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