



SATRA Technology Centre Ltd
Wyndham Way, Telford Way, Kettering,
Northamptonshire, NN16 8SD United Kingdom
Tel: +44 (0) 1536 410000
email: info@satra.com
www.satra.com



TECHNICAL REPORT

Allied International Trading Ltd T/a Supertouch Unit 3, Rabone Park Rabone Lane Smethwick B66 2NN United Kingdom	SATRA reference:	CHM2036377	
		2606	3
	Report ID/Issue number:	59996/1	
	Your reference:		
	Date samples received:	03/02/2026	
	Date(s) work carried out:	09/02/2026 to 18/02/2026	
	Date of report:	19/02/2026	

Testing Requirements

Determination of Overall and Specific Migration on samples described as POWDER FREE VINYL against the requirements of Commission Regulation (EU) No. 10/2011 (published on 16th March 2025 incorporating 19 amendments).

For SATRA's full terms and conditions see our website: <https://new.satra.com/satra-terms-and-conditions/>

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:

Benjamin Vramsmo


Report Signatory

WORK REQUESTED:

Samples of gloves described as POWDER FREE VINYL were received on the 3rd February 2026 for assessment in accordance with the overall and specific migration limit requirements of Commission Regulation No. 10/2011 Commission Regulation (EU) No. 10/2011 (published on 16th March 2025 incorporating 19 amendments).

SAMPLE SUBMITTED

Samples described as
11701-4 BLACK POWDER
FREE VINYL



Samples described as
11211-4 BLUE POWDER
FREE VINYL



Samples described as
11201-4 CLEAR POWDER
FREE VINYL



Samples described as SDS-
15121-4 RED POWDER
FREE VINYL



Samples described as SDS-
15131-4 GREEN POWDER
FREE VINYL



Samples described as SDS-
15141-4 YELLOW POWDER
FREE VINYL

CONCLUSIONS:

When tested in accordance with SATRA SOP CAT-012 based on EN 1186-3:2022 the samples described as POWDER FREE VINYL were found to meet with the overall migration limit requirements for single use in Commission Regulation (EU) No. 10/2011, Article 12 when assessed against 10% ethanol, 3% acetic acid and 20% ethanol for 30 minutes at 40°C.

The specific migration limits were assessed in accordance with SATRA SOP CAT-015 after extraction in 3% acetic acid for 30 minutes at 40°C and were found to meet with the requirements in Commission Regulation (EU) No. 10/2011, Annex II.

Results are given in the following tables.

TESTING REQUIRED:

- SATRA SOP CAT-012 based on EN 1186-3:2022 (Method 2 Cell) - Materials and articles in contact with foodstuffs. Plastics. Test methods for overall migration in evaporable simulants for 30 minutes at 40°C.
 - 10% Ethanol (simulant A Commission Regulation (EU) No. 10/2011)
 - 3% Acetic Acid (simulant B in Commission Regulation (EU) No. 10/2011)
 - 20% Ethanol (simulant C in Commission Regulation (EU) No. 10/2011)
- ≠SATRA SOP CAT-015 – Quantification of migrated substances in food simulants after extraction in 3% acetic acid for 30 minutes at 40°C.

RESULTS AND REQUIREMENTS:

SATRA SOP CAT-012 based on EN 1186-3:2022 (Method 2 Cell) - Materials and articles in contact with foodstuffs. Plastics. Test methods for overall migration in evaporable simulants for 30 minutes at 40°C

Sample: POWDER FREE VINYL (11701-4 Black, 11211-4 Blue, 11201-4 Clear, SDS-15121-4 Red, SDS-15121-4 Green and SDS-15141-4 Yellow combined)

Simulant	Mean Overall Migration (mg/dm ²)	UoM (%)	Pass/Fail	Visual observations
10% Ethanol	2.5	± 14.15	Pass	No changes
3% Acetic acid	3.5	± 14.15	Pass	No changes
20% Ethanol	<1.0	± 14.15	Pass	No changes
Requirement	≤10 mg/dm²			

Results are the mean of triplicate determinations.

≠SATRA SOP CAT-015 – Quantification of migrated substances in food simulants after extraction in 3% acetic acid for 30 minutes at 40°C.

Sample: POWDER FREE VINYL (SDS-15121-4 Red, SDS15131-4 Green and SDS-15141-4 Yellow combined)

Substance (mg/kg)	Mean specific migration (mg/kg)	Specific migration limit (mg/kg)	Pass/Fail
Aluminium	< 0.05	1	Pass
Ammonium	< 1	*	Pass
Antimony	< 0.008	0.04	Pass
Arsenic	< 0.01	ND	Pass
Barium	< 0.05	1	Pass
Cadmium	< 0.002	ND	Pass
Calcium	0.45	*	Pass
Chromium	< 0.01	ND	Pass
Cobalt	0.01	0.05	Pass
Copper	0.14	5	Pass
Iron	< 0.05	48	Pass
Lead	< 0.01	ND	Pass
Lithium	< 0.05	0.6	Pass
Magnesium	0.088	*	Pass
Manganese	< 0.05	0.6	Pass
Mercury	< 0.01	ND	Pass
Nickel	< 0.004	0.02	Pass
Potassium	0.13	*	Pass
Sodium	0.58	*	Pass
Zinc	0.14	5	Pass
Europium	< 0.01	0.05*	Pass
Gadolinium	< 0.01	0.05*	Pass
Lanthanum	< 0.01	0.05*	Pass
Terbium	< 0.01	0.05*	Pass

* Article 11(3) and Article 12 applies.

◆ The sum or individual migration of the 4 Lanthanides shall be no greater than <0.05 mg/kg

Results are the mean of triplicate determinations.

APPENDICES:

If the samples described as POWDER FREE VINYL are deemed to be suitable for contact with simulants A/B/C after single use, they can be considered to be suitable for use with the following food categories of foodstuffs as listed in 10/2011 Annex III, table 2

Reference number	Description of foodstuffs
01	Beverages
01.01	Non-alcoholic beverages or alcoholic beverages of an alcoholic strength lower than or equal to 6% vol: A. Clear drinks: water, ciders, clear fruit or vegetable juices of normal strength or concentrated, fruit nectars, lemonades, syrups, bitters, infusions, coffee, tea, beers, soft drinks, energy drinks and the like, flavoured water, liquid coffee extract B. cloudy drinks: Juices and nectars and soft drinks containing fruit pulp, musts containing fruit pulp, liquid chocolate
01.02	Alcoholic beverages of an alcoholic strength of between 6% vol and 20%.
03	Chocolate, sugar and products thereof confectionery products
03.02	Confectionery products: B. In paste form: II. Moist
03.03	Sugar and sugar products B. Molasses, sugar syrups, honey and the like
04	Fruit, vegetables and products thereof
04.01	Fruit, fresh or chilled: B. peeled and/or cut
04.02	Processed fruit: B. Fruit in the form of puree, preserves, pastes or in its own juice or in sugar syrup (jams, compote, and similar products)
04.04	Vegetables, fresh or chilled: C. peeled and/or cut
04.05	Processed vegetables: C. Vegetables in the form of puree, preserves, pastes or in its own juice (including pickled and in brine)
06	Animal products and eggs

06.01	B. Preserved fish: II. In an aqueous medium
06.02	Crustaceans and molluscs (including oysters, mussels, snails): A. Fresh within the shell B. Shell removed, processed, preserved or cooked with the shell II. In an aqueous medium
08	Miscellaneous Products
08.01	Vinegar
08.03	Preparations for soups, broths, sauces, in liquid, solid or powder form (extracts, concentrates); homogenised composite food preparations, prepared dishes including yeast and raising agents: B. Any other form than powdered or dried: II. Other
08.04	Sauces: A. With aqueous character
08.07	Ice creams

Conditions of Use

Confidentiality and Dissemination

SATRA test reports may be forwarded to other parties if 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.

Liability

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.

Accreditation

Where the UKAS logo is included on the test report then tests marked ≠ 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.

Tests marked ¥ are performed under SATRA's Flexible UKAS Schedule.

Opinions and interpretations fall outside the UKAS Accreditation for SATRA.

Uncertainty of Measurement and Decision Rules

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 considered based on a non-binary acceptance which itself is based on the guard 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 includes results provided by a subcontracted laboratory and the subcontract lab has provided raw data results and uncertainty values then SATRA will apply the decision rules above. Where Uncertainty values have not been provided by the subcontract lab then decision rules will not be applied and SATRA will include a note to this effect clearly indicating the affected results.

SATRA's guidelines provide recommendations that are based upon SATRA's knowledge and experience. The guidelines are intended to indicate conformance by providing information on the likely performance or characteristics of a property. As such, uncertainty of measurement is not applied when evaluating results against guideline recommendations.
