



STC

Test Report

Date : 2026-02-03

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No. : DT26011337

Applicant (08312884) : 东莞市奥笙礼品有限公司
东莞市长安镇街口工业园上新路15号302室

Description of Sample(s) : One(1) style of submitted sample(s) said to be :
盾牌

Date sample(s) Received : 2026-01-22

Date Tested : 2026-01-22 to 2026-02-03

Test Requested and Conclusion(s):

No.	Standard and Requirement	Conclusion(s)
1	Nickel release - entry 27 of annex XVII to (EC) No.1907/2006 REACH Regulation	Pass


Liu Liang Guang, Henry
Authorized Signatory



STC (Guangdong) Company Limited

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TEST RESULT(S):

1. NICKEL RELEASE - ENTRY 27 OF ANNEX XVII TO (EC) NO.1907/2006 REACH REGULATION

Test Method:

Method I: EN 1811:2023

Method II: EN 1811:2023 & EN 12472:2020

Test Item(s)	Item / Component Description(s)	Style(s)
1	Blue / purple iridescent plated golden metal	-

Maximum Allowable Limit : (Any 1 of 3 trials)	Type I: Piercing post assemblies	0.2 µg/cm ² /week
	Type II: Non-piercing post assemblies	0.5 µg/cm ² /week

-	Result		
Test Item(s)	1		
Type	II		
Method used	I		
Parameter	Surface Area (cm ²)	Volume of Test Solution (mL)	Nickel release (µg/cm ² /week)
Test Sample(s) / Trial(s)	-	-	-
Trial 1	77	77	ND
Trial 2	77	77	ND
Trial 3	77	77	ND
Conclusion	Pass		

Note(s):

- ND = Not Detected
- Method detection limit: 0.1µg/cm²/week
- cm² = square centimeter(s)
- mL = milliliter(s)
- µg/ cm²/week = microgram(s) per square centimeter per week

Remark(s): - See comment to the result interpretation.

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Comment:

A. Result Interpretation for type I piercing post assemblies:

Interpretation of Result(s):		
Case	Description	Conclusion
I	$X \geq 0.35^{[a]}$	Not comply
II and III	$0.11^{[a]} < X < 0.35^{[a]}$	Comply
IV	$X \leq 0.11^{[a]}$	Comply
X = Analytical result of Nickel (Ni) release in $\mu\text{g}/\text{cm}^2/\text{week}$		
^[a] Migration limit of $0.2\mu\text{g}/\text{cm}^2/\text{week}$ with the consideration of expanded measurement uncertainty.		

B. Result Interpretation for type II Non-piercing post assemblies:

Interpretation of Result(s):		
Case	Description	Conclusion
I	$X > 0.88^{[a]}$	Not comply
II and III	$0.28^{[a]} < X \leq 0.88^{[a]}$	Comply
IV	$X \leq 0.28^{[a]}$	Comply
X = Analytical result of Nickel (Ni) release in $\mu\text{g}/\text{cm}^2/\text{week}$		
^[a] Migration limit of $0.5\mu\text{g}/\text{cm}^2/\text{week}$ with the consideration of expanded measurement uncertainty.		

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Appendix for Photos of the Submitted Sample(s)



Remark: The test report is only for the client's research, teaching, internal quality control, product development ect. and is for internal reference only.

******* End of Test Report *******

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