

TEST REPORT

NUMBER: LTR21100396A1 Amendment

APPLICANT: Giftstones Ltd T/A British Fossils
Unit 2, Bailie Gate Industrial Estate
Sturminster Marshall
Dorset
BH21 4DB

DATE: 17th January 2022

For the attention of Sarah Thompson

SAMPLE DESCRIPTION: Mood Ring
This is an amendment of LTR21100396A, originally issued 23rd November 2021

REFERENCE / STYLE NO.: PK112/20196

RETAILER: Not specified

SAMPLE RECEIVED: 29th October 2021

PURCHASE ORDER: None

TEST REQUEST: ^REACH Annex XVII item 27 (Nickel release)
^Total Cadmium in metal products
^REACH Annex XVII item 63 (Lead and its compounds)

CONCLUSION: The results of the tests carried out **MEET** the requirements of the requested Regulations.

Tests marked (^) in this report are included in the scope of accreditation of the sub-contractor who performed the test.
Tests marked (*) in this report are not included in our UKAS scope of accreditation.
Tests marked (**) in this report are not included in the scope of accreditation of the sub-contractor who performed the test.
Opinions, interpretations and comments expressed herein are outside the scope of accreditation.



GEORGE HALL
QHSE MANAGER



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NICKEL RELEASE TESTING ON COATED / PLATED ARTICLES

METHOD

The samples were treated following the methods specified in BS EN 12472:2020 and BS EN 1811:2011+A1:2015. The determination of nickel present was by ICP-OES.

RESULTS

Release of Nickel in Direct & Prolonged Skin Contact Post Assemblies

No.	Component Identity	Trial	Sample Area (cm ²)	Volume of Test Solution (ml)	Adjusted Nickel Release (µg/cm ² /week)	Result
1	Mood Ring	1	7.84	7.84	<0.05*	Pass

*Due to insufficient sample size, 3 parallel samples could not be tested.

Note: In accordance with the uncertainty budget stated in BS EN 1811:2011+A1:2015, articles with a migration limit of <0.5µg/cm²/week have the following pass / fail criteria, <0.88µg/cm²/week = PASS and ≥0.88µg/cm²/week = FAIL

TOTAL CADMIUM IN METAL PRODUCTS

Test Method: CPSC-CH-E1001-08.3 Method followed by ICP-OES, as per Cadmium Content Requirement in Annex XVII Item 23 of the REACH Regulation (EC) No:1907/2006 amended by 494/2011(Formerly Known as Directive 91/338/EEC), Microwave Digestion Method was used, and Total Cadmium Content was determined by ICP -OES

No.	Component Identity	Result (ppm)	Limits
1	Mood Ring	<5	100ppm

Detection Limit = 5ppm
ppm – parts per million

Date of Testing: 10th – 22nd November 2021



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REACH ANNEX XVII entry 63 (Lead and its compounds)

Method of test:

With reference to USEPA 3050B / USEPA 3051 /USEPA 3051A/ US EPA 3052 ,by acid digestion and determined by ICP-OES

MATERIAL SAMPLED

Sample No.	Description	Result (ppm)	Limit
1	Mood ring	27	500ppm

Results are quoted as mg/kg (ppm) with respect to the original item.

ND means not detected

Detection limit: 8 ppm

Date of Testing: 10th – 22nd November 2021



END OF REPORT

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