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This report supersedes report number : 305583 - 1 Dated: 02-Mar-2023 (Reference: ).

**EN 12472:2009 / EN1811:2015 - NICKEL RELEASE TEST (METHOD 20A/ 20C)**

<b>Report No:</b>	<b>Date work reported:</b>	02/03/2023	<b>Batch No.</b>
305583 - 1	<b>Date work received:</b>	16/02/2023	276

<b>Method:</b>	Sample(s) & their components listed below have been tested according to procedures based on BS EN 12472:2005 + A1:2009 and BS EN1811:2011+ A1:2015 (Plated items) or by BS EN1811:2011+ A1:2015 (Unplated items) as appropriate. Wherever practical, product(s) have been disassembled into their component parts and the nickel release determined for each component. No parts of the product have been 'masked off' during the test, unless specifically instructed by the Customer.
<b>Results &amp; Unit:</b>	Results relate only to the specific materials tested. Nickel released in micrograms per square centimetre per week.
<b>Compliant or Non-Compliant criteria:</b>	<p><b>For actual <u>items</u> intended to come into direct and prolonged contact with the skin which need to comply with the 0.5 µg/cm<sup>2</sup>/week limit (Ref Annex A of BS EN1811:2011+A1:2015) - (Based on combined measurement of uncertainty value of 46%): <b>Non-Compliant</b> when nickel release is ≥0.88 µg/cm<sup>2</sup>/week. <b>Compliant</b> when nickel release is &lt; 0.88 µg/cm<sup>2</sup>/week.</b></p> <p><b>For all post assemblies which are inserted into pierced parts of the human body, the post assembly needs to comply with the 0.2 µg/cm<sup>2</sup>/week limit (Ref Annex A of BS EN1811:2011+ A1:2015) - (Based on combined measurement of uncertainty value of 46%): <b>Non-Compliant</b> when nickel release is ≥0.35 µg/cm<sup>2</sup>/week. <b>Compliant</b> when nickel release is &lt; 0.35 µg/cm<sup>2</sup>/week.</b></p> <p><b>Note:</b> Sample components marked as 'compliant' will comply with the requirements of entry 27 of Annexe XVII (REACH) with respect to Nickel Release.</p>

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This laboratory is accredited by UKAS to be compliant with all the requirements of ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

Note: The information contained in this report is confidential and is given in good faith on the basis of samples and information received. Birmingham Assay Office does not accept responsibility for the Customer's interpretation of the report nor any consequence arising from this.

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Photo of item tested



Compliance Statement (Applicable to component (s) tested)		
Report No.	Item Description/Customer Ref.	Nickel Compliance (EN 1811:2015) (Compliant/ Non-Compliant)
305583 - 1	UBN14G Titanium	Compliant

Special  
instructions/  
Remarks:

*M. Francosi*

*Z. Wajid*

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Analytical Chemist

Z. Wajid BSc  
Analytical Chemist

Nickel Release Test Results (EN1811:2011+A1:2015)

Compo. Ref. (BAO)	Item Description/Customer Ref.	Component Description	Ni Release ( $\mu\text{g}/\text{cm}^2$ / week)	Compliant (C) / Non- Compliant (NC)
2	UBN14G Titanium	Curved Bar	<0.88	C