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**NEW FULL NICKEL RELEASE TESTING (BAO Method 20A)**

<b>Ref: 192644-46</b>	<b>Date work reported: 20 May 2016</b>	<b>Batch No. 509F</b>
<b>Page: 1 of 2</b>	<b>Date work received: 09 May 2016</b>	

<b>Method:</b>	Sample(s) listed below have been tested according to procedures based on BS EN 12472:2005 + A1:2009 and BS EN1811:2011+ A1:2015 –‘Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin’ (BAO Method 20A). 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: Units:</b>	Results relate only to the specific materials tested. Nickel released in micrograms per square centimetre per week.
<b>Compliant or Noncompliant criteria:</b> (Based on combined measurement of uncertainty value of 46%)	<p><b>For <u>actual 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):</b></p> <p><b>Noncompliant</b> when nickel release is <math>\geq 0.88 \mu\text{g}/\text{cm}^2/\text{week}</math></p> <p><b>Compliant</b> when nickel release is <math>&lt; 0.88 \mu\text{g}/\text{cm}^2/\text{week}</math>.</p> <p><b>For all <u>post assemblies</u> 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):</b></p> <p><b>Noncompliant</b> when nickel release is <math>\geq 0.35 \mu\text{g}/\text{cm}^2/\text{week}</math>.</p> <p><b>Compliant</b> when nickel release is <math>&lt; 0.35 \mu\text{g}/\text{cm}^2/\text{week}</math>.</p>

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Compo. Ref. (BAO)	Customer Ref. / Item Description	Component Description	Ni Release ( $\mu\text{g} / \text{cm}^2 / \text{Week}$ )	Compliant (C) / Noncompliant (NC)
46	18k-T5	Sample	<0.88	Compliant



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Assistant Chemist

LG 08.45



**M. Cartwright**  
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