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AnchorCert Pro 2, EN1811:2023 & Lead/Cadmium (EU/REACH) Test Results (Method 20C)

Report No: 319481 – 1	Date work reported: 10 April 2024	Batch No. 411
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Method:	<p>The following elements identified as having the potential to cause an allergic reaction to the human skin are tested under the AnchorCert Pro Test Methodology.</p> <p>Nickel (Ni), Chromium (Cr), Cobalt (Co), Gold (Au) and Mercury (Hg), Beryllium (Be), Platinum (Pt) and Palladium (Pd), Manganese (Mn), Aluminium (Al), Copper (Cu), Iron (Fe), Molybdenum (Mo), Tin (Sn), Titanium (Ti) and Zinc (Zn).</p> <p>Besides the above, the sample components were also tested to assess the criteria as specified in:</p> <ol style="list-style-type: none">1. Nickel Release: EN1811:2023 [entry 27 of Annexe XVII (REACH)].2. Lead: Entry 63 of annex 17 of REACH Directive (1907/2006).3. Cadmium: Entry 23 of annex 17 of REACH Directive (1907/2006).4. GPSD: General Product Safety Regulation 2005 from a skin allergy point of view due to metals.
Pass / Fail criteria: AnchorCert Pro	<p>"Pass" – An item is deemed to "pass" if the levels of individual metal allergens released are at or below the established threshold limits, factoring in the associated uncertainty. A "pass" verdict suggests that the product's components are kind to human skin and less prone to trigger allergic contact dermatitis (ACD), commonly called 'Skin allergy'.</p> <p>"Fail" – A "fail" status signifies that the tested sample from the product's components might not be appropriate for contact with human skin and poses a risk of causing Allergic Contact Dermatitis.</p>
Pass / Fail criteria: EN1811:2023.	<p>The 'C' result indicates that the test component will also comply with the requirements of entry 27 of Annex XVII (REACH) with respect to Nickel Release when tested by EN 1811:2023.</p> <p>The 'NC' result indicates that the sample does not comply with the EU REACH requirements applicable to Nickel.</p>
Pass / Fail criteria: Lead/Cadmium.	<p>The 'Pass' result, when reported in context with 'Lead & Cadmium' indicates that the sample component meets the required criteria specified in –</p> <p>Lead (Pb): Entry 63 of annex 17 of REACH Directive (1907/2006), which includes clause 7 of Commission Regulation (EU) 2015/628 of 22 April 2015.</p> <p>Cadmium (Cd): Entry 23 of annex 17 of REACH Directive (1907/2006).</p> <p>The 'Fail' result indicates that the sample does not comply with the EU REACH requirements applicable to either Lead, Cadmium, or both.</p>
	<p>When high sulphur steel alloys, combined with manganese, are exposed to sweat, they can begin to develop pitting corrosion. This process can, over time, lead to increased release of nickel and other metals due to the surface becoming roughened by the pits. Such conditions might sporadically induce skin allergies, especially in areas where jewellery parts are inserted into pierced body parts, such as earlobes or belly buttons. To mitigate this issue, customers might consider upgrading to 316L Stainless Steel, which has a sulphur content of no more than 0.03%, or opt for alternatives to steel for these specific jewellery components.</p>

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Compliance Statement (Applicable to component tested)				
Sr. No.	Item Description	Nickel Compliance (EN 1811:2023) (Compliant/Non-Compliant)	AnchorCert Pro Compliance (Pass / Fail)	Pb/ Cd Compliance Based on REACH requirements (Pass / Fail)
319481 – 1	Bella Cartilage Stud, Internally Threaded, 8mm	C	Pass	Pass

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Test Results: AnchorCert Pro, Nickel Release (EN1811:2023), Lead / Cadmium (EU/REACH)

(C= Compliant, NC = Non-Compliant, Pass / Fail = Below / Above Limit, 1mg/kg = 1 ppm i.e. part per millions)

Compo. Ref. (BAO)	Item Description	Component Description	Nickel Compliance: EN 1811:2023 (C/NC)	AnchorCert Pro Compliance (Pass / Fail)	Metal Release, If Above Threshold Limit (In µg /cm2/Week) & Remarks, if any	Pb/Cd: Compliance (Conc. in mg/kg, If above EU Limit)
69	Bella Cartilage Stud, Internally Threaded, 8mm	Posts	C	Pass	N/A	Pass
70		Stud	C	Pass	N/A	Pass

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