

TEST REPORT

The report shall not be reproduced without written approval from Intertek
The results relate only to the item tested.

Report no.: BKKH25009398

Applicant:



Issued Date: Sep 01, 2025

Sample Submitted:

Quantity of sample:	One (1) bag
Sample description:	Segment ring
Date sample received:	August 19, 2025

Client Information:

Sample Name:	PVD Product BK-BHSR-16GA 1.2x12
Item no.:	PVD Black coating
Supplier name:	
Country of Origin:	Thailand



To be continued

For and on behalf of :
Intertek Testing Services (Thailand) Ltd.,
Hardlines Laboratory



Ladtaka Wongwiboonporn
Operation Manager
Hardlines Department

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Test conducted:

As requested by the applicant, for details please refer to attached page(s)

Conclusion:

<u>Tested samples</u>	<u>Regulation</u>	<u>Result</u>
Submitted sample	Lead content requirement in Regulation (EU) No 836/2012 of the REACH Regulation (EC) No 1907/2006 Annex XVII Item 63	Pass
	Cadmium content requirement in Regulation (EU) No 494/2011 of the REACH Regulation (EC) No 1907/2006 Annex XVII Item 23	Pass
	Nickel release content requirement in Annex XVII Item 27 of the REACH Regulation (EC) No.1907/2006 & Amendment No.552/2009 (Formerly known as Directive 94/27/EC and 2004/96/EC)	Pass

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Test conducted:

1 Total Lead (Pb) Content[▲]

As per Lead content requirement in Regulation (EU) No 836/2012 of the REACH Regulation (EC) No 1907/2006 Annex XVII Item 63, acid digestion method was used and total Lead content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

<u>Tested samples</u>	<u>Result (%)</u>	<u>LOD (%)</u>	<u>LOQ (%)</u>	<u>Limit (%)</u>
Submitted sample	ND	0.0002	0.0013	0.05

Remark: % = Percentage based on weight of sample;
ND = Not detected (Less than LOD)
LOD = Limit of detection
LOQ = Limit of quantitation
▲ = Tested items are not included in the TISI Accreditation

Tested component: PVD Product BK-BHSR-16GA 1.2x12

Testing period: August 19, 2025 to August 25, 2025

2 Total Cadmium (Cd) Content[▲]

As per Cadmium content requirement in Regulation (EU) No 494/2011 of the REACH Regulation (EC) No 1907/2006 Annex XVII Item 23, acid digestion method was used and total Cadmium content was determined by Inductively Couple Plasma Optical Emission Spectrometry.

<u>Tested samples</u>	<u>Result (%)</u>	<u>LOD (%)</u>	<u>LOQ (%)</u>	<u>Limit (%)</u>
Submitted sample	ND	0.0001	0.0005	0.01

Remark: % = Percentage based on weight of sample;
ND = Not detected (Less than LOD)
LOD = Limit of detection
LOQ = Limit of quantitation
▲ = Tested items are not included in the TISI Accreditation

Tested component: PVD Product BK-BHSR-16GA 1.2x12

Testing period: August 19, 2025 to August 25, 2025

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Test conducted:

- 3 Release of Nickel for Body Piercing Post Assemblies
As per BS EN1811: 2023.

Tested component	Trial	Sample area (cm ²)	Volume of Test solution (ml)	LOD (µg.cm ⁻² .week ⁻¹)	LOQ (µg.cm ⁻² .week ⁻¹)	Result Δ (µg.cm ⁻² .week ⁻¹)
Submitted sample	1	2.61	2.61	0.02	0.10	ND
	2	2.61	2.61	0.02	0.10	<0.10
	3	2.61	2.61	0.02	0.10	<0.10

Remark : ND = Not detected (Less than LOD)
< = Less than
LOD = Limit of detection
LOQ = Limit of quantitation
µg = Microgram
cm⁻² = Square centimeter

Requirement: 0.2 µg.cm⁻².week⁻¹

Remark: Δ = According to BS EN1811: 2023, EN1811: 2023 (E), compliance decision was made based on the following rules.

Result	Interpretation
< 0.35 µg.cm ⁻² .week ⁻¹	Compliance (Pass)
≥ 0.35 µg.cm ⁻² .week ⁻¹	Non-compliance (Fail)

Tested component: PVD Product BK-BHSR-16GA 1.2x12

Testing period: August 19, 2025 to September 01, 2025

***** E N D *****/WB/NK

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