



**Shenzhen Jini jewelry Co.,Ltd**

**Surgical steel**, also known as **316L** and Implant grade steel is a steel alloy that is the most common body piercing material. It can be polished to a shiny surface, and many people prefer this material to titanium because of its luster. 316L surgical steel is used in the manufacture and handling of food and pharmaceutical products where it is often required in order to minimize metallic contamination. It is also used in the manufacture of body piercing jewellery and body modification implants. Many of our Steel body jewellery items have been electropolished, which is a sophisticated surface finishing technique, where electrochemical activity slowly erodes a thin layer from the surface of the jewellery resulting in MICROSMOOTHING. The resultant surface is ultra smooth and crevice free. It has a higher surface integrity and efficiency than jewellery polished by other means.

**Certificate Surgical Steel 316L**

**Inspection Certificate**

<b>Factory Name: TIAN CAIHONG JEWELRY FACTORY</b>												
<b>Customer Name:</b>												
Material: <u>Stainless Steel</u>				Steel Grade: <u>AIS316L</u>				Size: <u>Φ5.5mm</u>				
<b>Chemical Composition %</b>												
	<b>C</b>	<b>Si</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Ni</b>	<b>Cr</b>	<b>Mo</b>	<b>Cu</b>	<b>N</b>		
	0.023	0.62	1.37	0.03	0.006	10.05	16.7	2.0	0.32	0.01		
<b>Mechanical Properties (Room Temperature)</b>												
<b>Tensile Strength</b>	<b>Yield Strength</b>		<b>Elongation</b>		<b>Percentage Of Area Reduction</b>							
Mpa(kgf/mm <sup>2</sup> )	Mpa(kgf/mm <sup>2</sup> )		%		%							
surface quality	Qualified				Remarks							

Validation: 王斌雁

Inspector: 江吉尼

**Titanium** body jewelry is often manufactured in commercially pure **grade 23** Ti6AL4V ELI, also known as Implant Grade Titanium. The grade considered suitable for piercing jewellery use is a disputed topic however the only Grade recommended for use by the association of professional piercers remains Grade 23 Titanium (ASTM F136). Titanium jewellery is lightweight (around 60% the weight of stainless steel given the same volume), it is highly corrosion resistant and less likely to react with body fluids, is not magnetic, it can be anodized to create a layer of colored oxide on the surface. Common colors are yellow, blue, purple, green, and rainbow.

**Certificate Titanium grade 23**

# Product Quality Certificate

Manufacturer:						Customer:					
Product Name: Titanium Wire Executive Standard <u>ASTM B863</u> Mark <u>Gr23</u> Specification $\Phi 2.0 \times L$											
Chemical Content %											
	AL	V	Fe	C	N	H	O				
	6.2	4.1	0.17	0.03	0.028	0.008	0.12				
Mechanics Data (Room Temperature)											
Tensile Strength		Yield Strength		Elongation		Reduction of Area					
Mpa(kgf/mm <sup>2</sup> )		Mpa(kgf/mm <sup>2</sup> )		%		%					
Surface Quality		Qualified				Remark				Inspection Seal	

Validation: 王斌雁

Inspector: 江吉尼

**Acrylic**, is a transparent plastic, in piercing mostly used for plugs and tapers. Jewelry made of acrylic has a tendency to collect body fluids and skin parts in tiny pores. This calls for regular cleaning to avoid bad smell and infections.