

To protect the privacy of customers or suppliers of Salamander Jewelry.  
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## TEST REPORT

CUSTOMER : Salamander Jewelry Co.,Ltd.

**M/C** : SHINVA

Document No. : TR-EO-003110820

**MODEL** : XG 1 SERIES

Date : 11/8/2020

**SERIAL No.** : 070997

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PRODUCT : ORDER NO. 2311182

### Determination of Sterilization Specification

Item Detail	Specification	Setting	Result
Chamber Setting Temperature	55.0 - 59.0 (°C)	59 (°C)	-
Vacuum Level	5-12 kPa	9 kPa	-
Vacuum Time (min)	50-60 min	60 min	-
<b>Humidification</b>			
Humidity (%)	50%-90%	87%	-
<b>Sterilization</b>			
Steri Temp	55.0 - 59.0 (°C)	55.0 (°C)	-
Jacket Temp	60.0 - 65.0 (°C)	65.0 (°C)	-
<b>Gas Injection</b>			
Final pressure (kpa(abs))	0.21-0.23 kPa	0.21 kPa	-
Final temperature of vaporizer,Temp 10 (°C)	55.0 - 59.0 (°C)	55 (°C)	-
<b>Exposure</b>			
Temperature at strat point of Exposure time period Temp. 1 (°C)	55.0 - 59.0 (°C)	60 (°C)	-
Temperature at finish point of Exposure time period Temp. 1 (°C)	55.0 - 59.0 (°C)	55 (°C)	-
Exposure Time (min)	390-420 min	420 min	-
<b>Exhaust</b>			
Exhaust Time (hour)	≥ 4 hour	4 hour	-
First Vacuum Level (kPa)	5-12 kPa	9 kPa	-
Second Vacuum Level (kPa)	5-12 kPa	9 kPa	-
Third Vacuum Level (kPa)	5-12 kPa	9 kPa	-
<b>Storage</b>			
Storage Time	≥ 48 hour	≥ 48 hour	-
<b>Chemical tested, Sterile Strip</b>			
EO sterilization temperatures 55-60 C° Time sterile by EO 7 hours .	Brown	Brown	Pass
<b>Biological Test</b>			
EZ Test Biological Indicator	Brown	Brown	Pass
24 hour results for EO	Red	Red	Pass

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## SAMPLE SLIP PARAMETER

EXHAUST:04H OOMIN	TOTAL :11H 57MIN		
PRETT :00H 56MIN	STERI :07H OOMIN		
ACTUAL TIME			
05:08:56 STEILIZATION SUCCESS			
END	05:08:45	060,8C	001kPa
	05:08:45	060,8C	001kPa
	01:09:48	060,9C	-015kPa
EXHAUST	01:07:45	061,0C	002kPa
	01:01:15	061,0C	002kPa
	00:51:15	061,0C	002kPa
	00:41:15	061,0C	002kPa
	00:31:15	061,0C	002kPa
	00:21:15	061,0C	002kPa
	00:11:15	061,0C	002kPa
	00:01:15	061,0C	002kPa
	23:51:15	061,0C	002kPa
	23:41:15	061,1C	002kPa
	23:31:15	061,1C	002kPa
	23:21:15	061,1C	002kPa
	23:11:15	061,1C	002kPa
	23:01:15	061,2C	002kPa
	22:51:15	061,2C	002kPa
	22:41:15	061,2C	002kPa
	22:31:15	061,2C	002kPa
	22:21:15	061,2C	002kPa
	22:11:15	061,2C	002kPa
	22:01:15	061,2C	002kPa
	21:51:15	061,1C	002kPa
	21:41:15	061,1C	002kPa
	21:31:15	061,1C	002kPa
	21:21:15	061,1C	002kPa
	21:11:15	061,0C	002kPa

	21:01:15	061,1C	002kPa
	20:51:15	061,0C	002kPa
	20:41:15	061,0C	002kPa
	20:31:15	060,9C	002kPa
	20:21:15	060,8C	002kPa
	20:11:15	060,7C	002kPa
	20:01:15	060,5C	002kPa
	19:51:15	060,5C	002kPa
	19:41:15	060,3C	002kPa
	19:31:15	060,2C	002kPa
	19:21:15	060,0C	002kPa
	19:11:15	059,8C	002kPa
	19:01:15	059,6C	007kPa
	18:51:15	059,5C	031kPa
	18:41:15	059,3C	038kPa
	18:31:15	059,2C	056kPa
	18:21:15	059,1C	130kPa
	18:11:15	058,8C	310kPa
STERI	18:08:11	058,9C	303kPa
	18:01:15	059,0C	-028kPa
ADD ED	17:54:51	059,1C	-087kPa
	17:51:15	059,2C	000kPa
HUMIDI	17:44:48	059,1C	-086kPa
PRETT	17:41:15	059,1C	002kPa
PRHEAT	17:12:18	058,8C	002kPa
STATE	TIME	TEMP	PRE

  

RUN COUNT : 0096			
ED PRE	:060kPa	VENT TIME:	04H OOM
STERI TEMP:	055,0C	STERI TIME:	07H OOM
PRD TYP	17:12:18	058,8C	002kPa
START TIME : 2020-08-10 17:12:11			

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### PROCESS FLOW CHART OF STERILIZATION

- > loading > into the chamber > door close > program starts
- > preprocessing > EO entry > sterilization
- > later processing > ventilation > air entry > the end
- > door open > unloading.

We here by certificate that following products were sterilized by E.O. at CITY MEDICAL SUPPLY CO.,LTD .

The result of sterilization by biological indicator are passed.

CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
THD-Z-BKBC-1.0-10.0-3	STERILE BLACK PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			600	
THD-Z-BKBC-1.2-10.0-4	STERILE BLACK PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			600	
THD-Z-BKBC-1.2-8.0-4	STERILE BLACK PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			500	
THD-Z-BKBC-1.6-10.0-4	STERILE BLACK PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			300	
THD-Z-BKBC-1.6-12.0-4	STERILE BLACK PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			150	
THD-Z-BKBL-1.6-10.0-4	STERILE BLACK PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			250	
THD-Z-BKBL-1.6-14.0-5	STERILE BLACK PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			250	
THD-Z-BKBL-1.6-8.0-4	STERILE BLACK PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			250	
THD-Z-BKCB-1.6-10.0-4	STERILE BLACK PVD COATED SURGICAL STEEL CIRCULAR BARBELL FOR THENDRO			200	
THD-Z-BKCNO-0.8-6.5-2.35	STERILE BLACK PVD COATED SURGICAL STEEL CURVED BALL NOSE STUD FOR THENDRO			400	
THD-Z-BKJNO-0.8-6.5-2.35-CR	STERILE BLACK PVD COATED SURGICAL STEEL SWAROVSKI CRYSTAL JEWELLED CURVED NOSE STUD FOR THENDRO			400	
THD-Z-BKLB-1.6-10.0-4	STERILE BLACK PVD COATED SURGICAL STEEL LABRET FOR THENDRO			500	
THD-Z-BKLB-1.6-12.0-4	STERILE BLACK PVD COATED SURGICAL STEEL LABRET FOR THENDRO			200	
THD-Z-BKLB-1.6-8.0-4	STERILE BLACK PVD COATED SURGICAL STEEL LABRET FOR THENDRO			300	
THD-Z-BKMBL-1.2-10.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO BARBELL FOR THENDRO			800	
THD-Z-BKMBL-1.2-8.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO BARBELL FOR THENDRO			250	
THD-Z-BKMNB-1.2-10.0-3	STERILE BLACK PVD COATED SURGICAL STEEL CURVED MICRO BARBELL FOR THENDRO		LOT-0196	300	10 Aug 20
THD-Z-BKMNB-1.2-12.0-3	STERILE BLACK PVD COATED SURGICAL STEEL CURVED MICRO BARBELL FOR THENDRO			200	
THD-Z-BKMNB-1.2-8.0-3	STERILE BLACK PVD COATED SURGICAL STEEL CURVED MICRO BARBELL FOR THENDRO			300	
THD-Z-BKMCB-1.2-10.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO CIRCULAR BARBELLFOR THENDRO			600	
THD-Z-BKMCB-1.2-8.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO CIRCULAR BARBELLFOR THENDRO			500	
THD-Z-BKMLB-1.2-10.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO LABRETFOR THENDRO			900	
THD-Z-BKMLB-1.2-12.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO LABRETFOR THENDRO			250	
THD-Z-BKMLB-1.2-8.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO LABRETFOR THENDRO			900	
PT-Z-INP-1.2-50.0	STERILE SURGICAL STEEL INTERNALLY THREADED INSERTION PINS FOR PTIT ROC			68	
PT-Z-TBCH-1.2-10.0-4	STERILE TITANIUM BALL CLOSURE RING WITH HEMATITE BALL FOR PTIT ROC			181	
PT-Z-TBL-1.6-16.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			145	
PT-Z-TBL-1.6-18.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			70	
PT-Z-TBL-1.6-22.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			165	
PT-Z-TBNDJ-1.6-10.0-5/8-CR	STERILE TITANIUM DOUBLE JEWELLED NAVEL BANANA FOR PTIT ROC			115	
PT-Z-TBNDJ-1.6-12.0-5/8-CR	STERILE TITANIUM DOUBLE JEWELLED NAVEL BANANA FOR PTIT ROC			181	
PT-Z-TBNJ-1.6-10.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR PTIT ROC			166	
PT-Z-TBNJ-1.6-12.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR PTIT ROC			250	
PT-Z-TCB-1.6-10.0-4	STERILE TITANIUM 90 DEGREE STAPLE BARBELL FOR PTIT ROC			78	
PT-Z-TCB-1.6-8.0-4	STERILE TITANIUM 90 DEGREE STAPLE BARBELL FOR PTIT ROC			20	
PT-Z-TMBL-1.2-10.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			292	

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CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
PT-Z-TMBL-1.2-8.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			267	
PT-Z-TMBN-1.2-8.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR PTIT ROC			169	
PT-Z-TMCB-1.2-8.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR PTIT ROC			203	
PT-Z-TMLB-1.2-12.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			178	
PT-Z-TMLBJ-1.2-10.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			110	
PT-Z-TMLBJ-1.2-12.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			315	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			463	
PT-Z-XBL-1-1.6-20.0-5-CL	STERILE BIOFLEX BARBELL WITH STEEL BALLS FOR PTIT ROC			51	
PT-Z-XLB-1-1.6-10.0-3-CL	STERILE BIOFLEX LABRET WITH STEEL BALL FOR PTIT ROC			54	
PT-Z-XMBN-1-1.2-10.0-3-CL	STERILE BIOFLEX MICRO CURVED BARBELL WITH STEEL BALLS FOR PTIT ROC			76	
PT-Z-XMLBJ-7-1.2-10.0-3-CL-CR	STERILE BIOFLEX JEWELLED MICRO LABRET FOR PTIT ROC			57	
PT-Z-XMLB-1-1.2-10.0-3/4B-CL	STERILE BIOFLEX MICRO LABRET WITH STEEL BALL FOR PTIT ROC			78	
PT-Z-TBL-1.6-20.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			136	
PT-Z-TMLB-1.2-10.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			324	
PT-Z-TMLB-1.2-9.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC		LOT-0196	81	10 Aug 20
PT-Z-XMLB-1-1.2-8.0-3/4B-CL	STERILE BIOFLEX MICRO LABRET WITH STEEL BALL FOR PTIT ROC			151	
Z-TBCSH-1.0-8.0-HP	STERILE TITANIUM HINGED SEGMENT RING			100	
Z-JNO-1.0-6.5-2.35-CR	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD			443	
Z-TBL-1.6-16.0-5-HP	STERILE TITANIUM BARBELL			27	
Z-BL-1.6-22.0-5	STERILE SURGICAL STEEL BARBELL			77	
Z-BN-1.6-10.0-4	STERILE SURGICAL STEEL CURVED BARBELL			100	
Z-BNDJ-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA			100	
Z-JNO-1.0-6.5-2.35-CR	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD			225	
Z-MBN-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL			200	
Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			100	
Z-TINDAJD-1.6-2.5-4-HP-CR	STERILE TITANIUM INTERNALLY THREADED DERMAL ANCHOR WITH JEWELLED DISC			25	
Z-LB-1.6-10.0-3	STERILE SURGICAL STEEL LABRET			10	
Z-BL-1.6-16.0-5	STERILE SURGICAL STEEL BARBELL			140	
Z-MLB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO LABRET			170	
Z-BNDJ-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA			197	
Z-BNJ-1.6-10.0-5/8-CR	STERILE SURGICAL STEEL JEWELLED NAVEL BANANA			13	
Z-TBNDJ-1.6-10.0-5/8-HP-CR	STERILE TITANIUM DOUBLE JEWELLED NAVEL BANANA			18	
Z-TBNJ-1.6-10.0-5/8-HP-CR	STERILE TITANIUM JEWELLED NAVEL BANANA			10	
Z-LB-1.6-12.0-4	STERILE SURGICAL STEEL LABRET			97	
Z-MLB-1.2-12.0-3	STERILE SURGICAL STEEL MICRO LABRET			102	
Z-TBNDJ-1.6-12.0-5/8-HP-CR	STERILE TITANIUM DOUBLE JEWELLED NAVEL BANANA			14	
Z-PSRC	STERILE DISPOSAL RING CLOSER			200	

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