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## TEST REPORT

CUSTOMER : Salamander Jewelry Co.,Ltd.

**M/C** : SHINVA

Document No. : TR-EO-004080920

**MODEL** : XG 1 SERIES

Date : 8/9/2020

**SERIAL No.** : 070997

Page : 1 / 4

PRODUCT : ORDER NO. 2314568

### 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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Page : 2 / 4

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## SAMPLE SLIP PARAMETER

EXHAUST:04H 00MIN TOTAL :11H 47MIN			
PRETT :00H 46MIN STERI :07H 00MIN			
ACTUAL TIME			
04:46:01 STEILIZATION SUCCESS			
END	04:45:50	063,10	001kPa
	04:45:50	063,10	001kPa
	00:46:45	062,10	-015kPa
EXHAUST	00:44:50	062,10	002kPa
	00:37:20	062,10	002kPa
	00:27:20	062,00	002kPa
	00:17:20	062,00	002kPa
	00:07:20	061,90	002kPa
	23:57:20	061,90	002kPa
	23:47:20	061,90	002kPa
	23:37:20	061,80	002kPa
	23:27:20	061,80	002kPa
	23:17:20	061,80	002kPa
	23:07:20	061,70	002kPa
	22:57:20	061,70	002kPa
	22:47:20	061,60	002kPa
	22:37:20	061,60	002kPa
	22:27:20	061,60	002kPa
	22:17:20	061,60	002kPa
	22:07:20	061,60	002kPa
	21:57:20	061,60	002kPa
	21:47:20	061,50	002kPa
	21:37:20	061,50	002kPa
	21:27:20	061,50	002kPa
	21:17:20	061,50	002kPa
	21:07:20	061,40	002kPa
	20:57:20	061,50	002kPa

	20:47:20	061,50	002kPa
	20:37:20	061,40	002kPa
	20:27:20	061,40	002kPa
	20:17:20	061,40	002kPa
	20:07:20	061,40	002kPa
	19:57:20	061,40	002kPa
	19:47:20	061,40	002kPa
	19:37:20	061,40	002kPa
	19:27:20	061,40	002kPa
	19:17:20	061,40	002kPa
	19:07:20	061,40	002kPa
	18:57:20	061,40	002kPa
	18:47:20	061,40	002kPa
	18:37:20	061,40	002kPa
	18:27:20	061,40	002kPa
	18:17:20	061,40	005kPa
	18:07:20	061,40	017kPa
	17:57:20	061,40	030kPa
	17:47:20	061,40	203kPa
STERI	17:45:07	061,40	276kPa
ADD ED	17:40:58	061,50	-086kPa
	17:37:20	061,60	001kPa
HUMID1	17:30:53	061,60	-085kPa
PRETT	17:27:20	061,60	002kPa
PREHEAT	16:58:30	061,50	002kPa
STATE	TIME	TEMP	PRE

  

RUN COUNT : 0142			
ED PRE	:060kPa	VENT TIME:	04H 00M
STERI TEMP:	085,00	STERI TIME:	07H 00M
PBD TIP	16:58:30	061,50	002kPa
START TIME: 2020-08-06 16:58:23			

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Page : 3 / 4

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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-TBC-1.0-10.0-4	STERILE TITANIUM BALL CLOSURE RING FOR THENDRO			500	
THD-Z-TBC-1.0-8.0-4	STERILE TITANIUM BALL CLOSURE RING FOR THENDRO			500	
THD-Z-TBC-1.2-10.0-4	STERILE TITANIUM BALL CLOSURE RING FOR THENDRO			600	
THD-Z-TBC-1.6-12.0-4	STERILE TITANIUM BALL CLOSURE RING FOR THENDRO			200	
THD-Z-TBL-1.6-10.0-4	STERILE TITANIUM BARBELL FOR THENDRO			500	
THD-Z-TBL-1.6-12.0-4	STERILE TITANIUM BARBELL FOR THENDRO			300	
THD-Z-TBL-1.6-14.0-4	STERILE TITANIUM BARBELL FOR THENDRO			2500	
THD-Z-TBL-1.6-19.0-4	STERILE TITANIUM BARBELL FOR THENDRO			400	
THD-Z-TBL-1.6-34.0-4	STERILE TITANIUM BARBELL FOR THENDRO			200	
THD-Z-TBL-1.6-36.0-4	STERILE TITANIUM BARBELL FOR THENDRO			300	
THD-Z-TBL-1.6-38.0-4	STERILE TITANIUM BARBELL FOR THENDRO			200	
THD-Z-TCB-1.6-10.0-4	STERILE TITANIUM CIRCULAR BARBELL FOR THENDRO			300	
THD-Z-TLB-1.6-10.0-4	STERILE TITANIUM LABRET FOR THENDRO			200	
THD-Z-TLB-1.6-12.0-4	STERILE TITANIUM LABRET FOR THENDRO			100	
THD-Z-TMBL-1.2-10.0-3	STERILE TITANIUM MICRO BARBELL FOR THENDRO			2000	
THD-Z-TMBL-1.2-8.0-3	STERILE TITANIUM MICRO BARBELL FOR THENDRO			2000	
THD-Z-TMBN-1.2-10.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR THENDRO		LOT-0200	300	6 Sep 20
THD-Z-TMBN-1.2-8.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR THENDRO			200	
THD-Z-TMCB-1.2-10.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR THENDRO			600	
THD-Z-TMLB-1.2-8.0-3	STERILE TITANIUM MICRO LABRET FOR THENDRO			1000	
TDI-Z-BC-1.2-10.0-4	STERILE SURGICAL STEEL BALL CLOSURE RING FOR TDI			100	
TDI-Z-BC-1.6-12.0-5	STERILE SURGICAL STEEL BALL CLOSURE RING FOR TDI			25	
TDI-Z-BL-1.6-14.0-5	STERILE SURGICAL STEEL BARBELL FOR TDI			200	
TDI-Z-BL-1.6-32.0-5	STERILE SURGICAL STEEL BARBELL FOR TDI			25	
TDI-Z-BL-1.6-34.0-5	STERILE SURGICAL STEEL BARBELL FOR TDI			25	
TDI-Z-CNO-0.8-6.5-2	STERILE SURGICAL STEEL CURVED BALL NOSE STUD FOR TDI			50	
TDI-Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR TDI			50	
TDI-Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR TDI			50	
TDI-Z-MCB-1.2-9.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL FOR TDI			50	
TDI-Z-MLB-1.2-6.0-2.5	STERILIZED SURGICAL STEEL MICRO LABRET FOR TDI			25	
TDI-Z-MLB-1.2-6.0-3	STERILIZED SURGICAL STEEL MICRO LABRET FOR TDI			50	
TDI-Z-MLBJ-OP-1.2-6.0-3-CR	STERILE SURGICAL STEEL CZECH CRYSTAL JEWELLED MICRO LABRET FOR TDI			50	
QL-Z-BKFBC-1.0-8.0-3	STERILE BLACK PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN			50	
QL-Z-BKJB-1.6-5-CR	STERILE BLACK PVD COATED SURGICAL STEEL SWAROVSKI CRYSTAL JEWELLED BALL FOR QUILLIAN NO CARD			20	
QL-Z-MBL-1.2-7.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR QUILLIAN NO CARD			100	
QL-Z-ZGMBL-1.2-7.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL MICRO BARBELL FOR QUILLIAN NO CARD			50	

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Page : 4 / 4

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QL-Z-ZGMBL-1.2-8.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL MICRO BARBELL FOR QUILLIAN NO CARD			50	
Z-BL-1.6-12.0-5	STERILE SURGICAL STEEL BARBELL			40	
Z-INMLBJ-1.2-8.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWELLED MICRO LABRET			51	
PT-Z-TMBL-1.2-8.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			100	
PT-Z-TMLBJ-1.2-10.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			196	
Z-BL-1.6-38.0-4	STERILE SURGICAL STEEL BARBELL			100	
Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL			300	
Z-BNDJ-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA			250	
Z-INMLBJ-1.2-10.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWELLED MICRO LABRET			48	
Z-TBNDJ-1.6-12.0-5/8-HP-CR	STERILE TITANIUM DOUBLE JEWELLED NAVEL BANANA			75	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			304	
PT-Z-XBNNJ-1.6-12.0-5/8-CR	STERILE BIOFLEX JEWELLED NAVEL BANANA WITH SURGICAL STEEL BALL FOR PTIT ROC			54	
PT-Z-XMBN-1.1.2-12.0-3-CL	STERILE BIOFLEX MICRO CURVED BARBELL WITH STEEL BALLS FOR PTIT ROC		LOT-0200	57	6 Sep 20
TDI-Z-MLB-1.2-8.0-2.5	STERILIZED SURGICAL STEEL MICRO LABRET FOR TDI			200	
Z-BNJ-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL JEWELLED NAVEL BANANA			50	
Z-BL-1.6-14.0-5	STERILE SURGICAL STEEL BARBELL			176	
TDI-Z-TBL-1.6-12.0-4	STERILE TITANIUM BARBELL FOR TDI			200	
TDI-Z-TBNN-1.6-12.0-5/8	STERILE TITANIUM NAVEL BANANA FOR TDI			100	
Z-SES1-3-CR	SURGICAL STEEL ROUND PRONG SET JEWELLED EAR STUDS PAIR			100	
Z-XCN-3-1.6-12.0-5/8-CL-CR	STERILE BIOFLEX JEWELLED CUP NAVEL BANANA WITH TITANIUM BALL			32	
Z-TBL-1.6-18.0-5-HP	STERILE TITANIUM BARBELL			12	
PT-Z-XMLB-1.1.2-10.0-3/4B-CL	STERILE BIOFLEX MICRO LABRET WITH STEEL BALL FOR PTIT ROC			10	
Z-GSCNEEDLES-1.2-48.0	STERILE CURVED STAINLESS STEEL NEEDLE			12	
Z-GSNEEDLES-1.6-48.0	STERILIZED STAINLESS STEEL NEEDLE			2881	
Z-COBC-1.0-8.0	STERILE SURGICAL STEEL CONTINUOUS RING			20	
TDI-Z-TMLB-1.2-12.0-2.5	STERILE TITANIUM MICRO LABRET FOR TDI			100	
Z-INMLBJ-1.2-10.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWELLED MICRO LABRET			22	
Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL			300	

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