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## TEST REPORT

CUSTOMER : Salamander Jewelry Co.,Ltd.

**M/C :**

Document No. : TR-EO-008250920

**MODEL :** XG 1 SERIES

Date : 25/9/2020

**SERIAL No. :** 070997

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PRODUCT : ORDER NO. 2317374

### 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 start 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 48MIN	
PRETT :00H 48MIN	STERI	:07H OOMIN	
ACTUAL TIME			
04:53:43 STEILIZATION SUCCESS			
END	04:53:32	062,30	001kPa
	04:53:32	062,30	001kPa
	00:54:24	062,90	-014kPa
EXHAUST	00:52:32	063,00	002kPa
	00:45:02	063,00	002kPa
	00:35:02	063,00	002kPa
	00:25:02	063,10	002kPa
	00:15:02	063,10	002kPa
	00:05:02	063,10	002kPa
	23:55:02	063,10	002kPa
	23:45:02	063,10	002kPa
	23:35:02	063,10	002kPa
	23:25:02	063,10	002kPa
	23:15:02	063,20	002kPa
	23:05:02	063,20	002kPa
	22:55:02	063,20	002kPa
	22:45:02	063,20	002kPa
	22:35:02	063,30	002kPa
	22:25:02	063,30	002kPa
	22:15:02	063,30	002kPa
	22:05:02	063,30	002kPa
	21:55:02	063,40	002kPa
	21:45:02	063,40	002kPa
	21:35:02	063,40	002kPa
	21:25:02	063,30	002kPa
	21:15:02	063,30	002kPa
	21:05:02	063,30	002kPa

	20:55:02	063,30	002kPa
	20:45:02	063,20	002kPa
	20:35:02	063,20	002kPa
	20:25:02	063,10	002kPa
	20:15:02	063,00	002kPa
	20:05:02	062,90	002kPa
	19:55:02	062,90	002kPa
	19:45:02	062,80	002kPa
	19:35:02	062,50	002kPa
	19:25:02	062,50	002kPa
	19:15:02	062,20	002kPa
	19:05:02	062,00	002kPa
	18:55:02	061,70	002kPa
	18:45:02	061,40	002kPa
	18:35:02	061,20	002kPa
	18:25:02	060,90	013kPa
	18:15:02	060,60	018kPa
	18:05:02	060,10	034kPa
	17:55:02	059,90	207kPa
STERI	17:53:15	059,90	252kPa
ADD ED	17:48:45	060,40	-087kPa
	17:45:02	060,50	002kPa
HUMID	17:38:36	060,40	-087kPa
PRETT	17:35:02	060,30	002kPa
PREHEAT	17:06:09	060,00	002kPa
STATE	TIME	TEMP	PRE
RUN COUNT : 0164			
ED PRE	:060kPa	VENT TIME:04H OOM	
STERI TEMP:	065,00	STERI TIME:07H OOM	
PRO TYP	17:06:09	060,00	002kPa

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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
TDI-Z-TBC-1.0-10.0-4	STERILE TITANIUM BALL CLOSURE RING FOR TDI			25	
TDI-Z-TBC-1.2-12.0-4	STERILE TITANIUM BALL CLOSURE RING FOR TDI			50	
TDI-Z-TBC-1.2-9.0-4	STERILE TITANIUM BALL CLOSURE RING FOR TDI			100	
TDI-Z-TBC-1.6-10.0-5	STERILE TITANIUM BALL CLOSURE RING FOR TDI			50	
TDI-Z-TBCSH-1.2-7.0	STERILE TITANIUM HINGED SEGMENT RING FOR TDI			100	
TDI-Z-TBCSH-1.2-9.0	STERILE TITANIUM HINGED SEGMENT RING FOR TDI			100	
TDI-Z-TBL-1.6-18.0-5	STERILE TITANIUM BARBELL FOR TDI			200	
TDI-Z-TBL-1.6-32.0-5	STERILE TITANIUM BARBELL FOR TDI			50	
TDI-Z-TBNDJ-OP-1.6-10.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR TDI			100	
TDI-Z-TBNJ-OP-1.6-10.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR TDI			100	
TDI-Z-TBNJ-OP-1.6-10.0-5/8-RO	STERILE TITANIUM JEWELLED NAVEL BANANA FOR TDI			25	
TDI-Z-TINBL-1.6-14.0-5	STERILE TITANIUM INTERNALLY THREADED BARBELL FOR TDI			50	
TDI-Z-TJNO-OP-1.0-6.5-2.35-CR	STERILIZE CZECH CRYSTAL CURVED NOSE STUD FOR TDI			200	
TDI-Z-TMBL-1.2-12.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR TDI			100	
TDI-Z-TMBN-1.2-10.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR TDI			200	
TDI-Z-TMBN-1.2-12.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR TDI			200	
TDI-Z-TMBN-1.2-8.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR TDI		LOT-0202	200	24 Sep 20
TDI-Z-TMCB-1.2-10.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR TDI			100	
TDI-Z-TMCB-1.2-8.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR TDI			100	
TDI-Z-TMLB-1.2-10.0-2.5	STERILE TITANIUM MICRO LABRET FOR TDI			300	
TDI-Z-TMLB-1.2-12.0-3	STERILE TITANIUM MICRO LABRET FOR TDI			100	
TDI-Z-TMLB-1.2-6.0-3	STERILE TITANIUM MICRO LABRET FOR TDI			50	
TDI-Z-TMLB-1.2-8.0-3	STERILE TITANIUM MICRO LABRET FOR TDI			300	
TDI-Z-TMLBJ-1.2-10.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR TDI			100	
TDI-Z-TMLBJ-OP-1.2-12.0-3-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR TDI			50	
TDI-Z-TONR-0.8-8.0-1.7	STERILE TITANIUM OPEN NOSE RING FOR TDI			100	
TDI-Z-TST-1.6-20.0-5	STERILE TITANIUM 90 DEGREE STAPLE BARBELL FOR TDI			50	
Z-BL-1.6-16.0-5	STERILE SURGICAL STEEL BARBELL			174	
Z-MLB-1.2-12.0-3	STERILE SURGICAL STEEL MICRO LABRET			106	
PT-Z-TMBL-1.2-10.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			113	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			117	
PT-Z-TMBL-1.2-8.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			167	
Z-JNO-0.8-6.5-2.35-CR	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD			200	
Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL			300	
Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL			300	
Z-TBNJ-1.6-12.0-5/8-HP-AM	STERILE TITANIUM JEWELLED NAVEL BANANA			20	

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CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
Z-TBNJ-1.6-12.0-5/8-HP-AQ	STERILE TITANIUM JEWELLED NAVEL BANANA			20	
Z-TBNJ-1.6-12.0-5/8-HP-RO	STERILE TITANIUM JEWELLED NAVEL BANANA			20	
PT-Z-TBCH-1.2-10.0-4	STERILE TITANIUM BALL CLOSURE RING WITH HEMATITE BALL FOR PTIT ROC			203	
PT-Z-TMLB-1.2-9.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			240	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			153	
PT-Z-XMLB-1.1.2-8.0-3/4B-CL	STERILE BIOFLEX MICRO LABRET WITH STEEL BALL FOR PTIT ROC			54	
Z-BNDJ-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA			220	
Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL			133	
PT-Z-TBNJ-1.6-10.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR PTIT ROC			61	
PT-Z-TMLB-1.2-10.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			182	
Z-BL-1.6-20.0-5	STERILE SURGICAL STEEL BARBELL			16	
Z-JNO-0.8-6.5-2.35-CR	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD			200	
Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			50	
PT-Z-TMLB-1.2-9.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			169	
Z-BNDJ-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA		LOT-0202	347	24 Sep 20
Z-BL-1.6-14.0-4	STERILE SURGICAL STEEL BARBELL			20	
Z-BL-1.6-16.0-4	STERILE SURGICAL STEEL BARBELL			20	
Z-LJNO-1.0-6.5-1.8-CR	STERILE SURGICAL STEEL LARGE CURVE JEWELLED NOSE STUD			19	
Z-PRTA-8.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE 8.0MM			800	
TDI-Z-JNO90-0.8-6.5-2.35-CR	STERILE SURGICAL STEEL JEWELLED 90 DEGREE NOSE STUD FOR TDI			200	
TDI-Z-TJNO-OP-1.0-6.5-2.35-CR	STERILIZE CZECH CRYSTAL CURVED NOSE STUD FOR TDI			100	
PT-Z-PRTA-8.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE FOR PTIT ROC			479	
Z-PRTA-6.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE			315	
PT-Z-TBCH-1.2-10.0-4	STERILE TITANIUM BALL CLOSURE RING WITH HEMATITE BALL FOR PTIT ROC			259	
Z-TLJNO-0.8-6.5-2.35-HP-CR	STERILE TITANIUM LARGE CURVE JEWELLED NOSE STUD			40	
TDI-Z-TNO-1.0-6.5-2	STERILE TITANIUM TITANIUM CURVED BALL NOSE STUD FOR TDI			200	
TDI-Z-JNO90-0.8-6.5-2.35-CR	STERILE SURGICAL STEEL JEWELLED 90 DEGREE NOSE STUD FOR TDI			200	
Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL			300	
QL-Z-DFSC1-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL ROUND 8MM CZ DOUBLE JEWELLED NAVEL BANANA FOR QUILLIAN NO CARD			100	
Z-JNO-0.8-6.5-2.35-CR	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD			200	
Z-PRTA-8.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE 8.0MM			1872	

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