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## TEST REPORT

CUSTOMER : Salamander Jewelry Co.,ltd.

**M/C** : SHINVA

Document No. : TR-EO-005140820

**MODEL** : XG 1 SERIES

Date : 14/8/2020

**SERIAL No.** : 070997

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PRODUCT : ORDER NO. 2311308

### 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	00MIN	TOTAL	:11H 49MIN
PRETT	:00H 48MIN	STERI	:07H 00MIN
ACTUAL TIME			
=====			
08:06:34	STEILIZATION SUCCESS		
END	08:06:23	061,10	001kPa
	08:06:23	061,10	001kPa
	04:07:39	060,80	-015kPa
EXHAUST	04:04:23	060,90	008kPa
	03:56:53	060,90	008kPa
	03:46:53	060,90	009kPa
	03:36:53	060,90	009kPa
	03:26:53	060,90	009kPa
	03:16:53	060,90	009kPa
	03:06:53	060,80	009kPa
	02:56:53	060,80	009kPa
	02:46:53	060,80	009kPa
	02:36:53	060,90	009kPa
	02:26:53	060,80	009kPa
	02:16:53	060,80	009kPa
	02:06:53	060,90	009kPa
	01:56:53	060,90	009kPa
	01:46:53	060,80	009kPa
	01:36:53	060,90	009kPa
	01:26:53	060,80	009kPa
	01:16:53	060,80	009kPa
	01:06:53	060,70	009kPa
	00:56:53	060,70	009kPa
	00:46:53	060,60	009kPa
	00:36:53	060,50	010kPa
	00:26:53	060,50	010kPa
	00:16:53	060,40	010kPa

	00:06:53	060,30	010kPa
	23:56:53	060,20	010kPa
	23:46:53	060,20	010kPa
	23:36:53	060,10	010kPa
	23:26:53	060,10	010kPa
	23:16:53	059,90	010kPa
	23:06:53	059,90	010kPa
	22:56:53	059,80	010kPa
	22:46:53	059,60	010kPa
	22:36:53	059,60	011kPa
	22:26:53	059,60	011kPa
	22:16:53	059,40	011kPa
	22:06:53	059,40	011kPa
	21:56:53	059,20	011kPa
	21:46:53	059,20	011kPa
	21:36:53	059,00	011kPa
	21:26:53	058,90	059kPa
	21:16:53	058,60	129kPa
	21:06:53	058,60	192kPa
STERI	21:05:16	058,80	170kPa
ADD ED	21:00:16	058,90	-087kPa
	20:56:53	058,90	001kPa
HUMIDI	20:50:13	058,80	-086kPa
PRETT	20:46:53	058,80	002kPa
PREHEAT	20:17:59	058,10	002kPa
STATE	TIME	TEMP	PRE
=====			
RUN COUNT : 0101			
EO PRE	:060kPa	VENT TIME:	04H 00M
STERI TEMP:	058,00	STERI TIME:	07H 00M
PRO TYP	20:17:59	058,10	002kPa
START TIME:	2020-08-13 20:17:51		

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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-1.0-8.0-3	STERILE BLACK PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			600	
THD-Z-BKBL-1.6-16.0-5	STERILE BLACK PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-BKBN-1.6-12.0-4	STERILE BLACK PVD COATED SURGICAL STEEL CURVED BARBELL FOR THENDRO			150	
THD-Z-BKMBN-1.2-6.0-2.5	STERILE BLACK PVD COATED SURGICAL STEEL CURVED MICRO BARBELL FOR THENDRO			200	
THD-Z-BKMLB-1.2-6.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO LABRET FOR THENDRO			300	
TDI-Z-TJNO-OP-1.0-6.5-2.35-CR	STERILIZE CZECH CRYSTAL CURVED NOSE STUD FOR TDI			200	
TDI-Z-TJNO-OP-1.0-6.5-2-CR	STERILIZE CZECH CRYSTAL CURVED NOSE STUD FOR TDI			100	
TDI-Z-TMLB-1.2-8.0-2.5	STERILE TITANIUM MICRO LABRET FOR TDI			300	
TDI-Z-BL-1.6-16.0-5	STERILE SURGICAL STEEL BARBELL FOR TDI			200	
QL-Z-BKMBL-1.2-8.0-3	STERILE BLACK PVD SURGICAL STEEL MICRO BARBELL FOR QUILLIAN NO CARD		LOT-0197	50	13 Aug 20
QL-Z-FBC-1.0-8.0-3	STERILE SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			100	
QL-Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR QUILLIAN			100	
QL-Z-MBN-1.2-10.0-2.5	STERILE SURGICAL STEEL MICRO CURVED BARBELL FOR QUILLIAN NO CARD			50	
QL-Z-MBN-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL FOR QUILLIAN NO CARD			100	
QL-Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL FOR QUILLIAN NO CARD			100	
QL-Z-UPLST-10.0-15.0	STERILE POLYMER STOPPER FOR PIERCING FOR QUILLIAN NO CARD			300	
QL-Z-ZGFBC-1.0-8.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			50	
QL-Z-JB-1.6-4-CR	STERILE SURGICAL STEEL SWAROVSKI CRYSTAL JEWELLED BALL FOR QUILLIAN NO CARD			20	
QL-Z-TINJD-1.6-4-HP-AB	STERILE TITANIUM SWAROVSKI CRYSTAL JEWELLED DISC FOR 1.6MM INTERNALLY THREADED PINS FOR QUILLIAN NO CARD			20	
QL-Z-TINJD-1.6-4-HP-CR	STERILE TITANIUM SWAROVSKI CRYSTAL JEWELLED DISC FOR 1.6MM INTERNALLY THREADED PINS FOR QUILLIAN NO CARD			20	
QL-Z-TINJD-1.6-4-HP-JE	STERILE TITANIUM SWAROVSKI CRYSTAL JEWELLED DISC FOR 1.6MM INTERNALLY THREADED PINS FOR QUILLIAN NO CARD			20	
Z-ININP-1.6-50.0	STERILE SURGICAL STEEL INTERNALLY THREADED INSERTION PINS			10	
Z-BNJ-1.6-10.0-5/8-CR	STERILE SURGICAL STEEL JEWELLED NAVEL BANANA			50	
Z-PSRC	STERILE DISPOSAL RING CLOSER			280	

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