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## TEST REPORT

CUSTOMER : Salamander Jewelry Co.,ltd.

**M/C** : SHINVA

Document No. : TR-EO-011230221

**MODEL** : XG 1 SERIES

Date : 22/2/2021

**SERIAL No.** : 070997

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PRODUCT : ORDER NO. 2337459

### 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

STATE	TIME	TEMP	PRE	
EXHAUST:04H	00MIN	TOTAL :12H	10MIN	
PRETT	:01H	00MIN	STERI :07H	00MIN
ACTUAL TIME				
08:23:44 STEILIZATION SUCCESS				
END	08:23:53	062,20	002kPa	
	08:23:53	062,20	002kPa	
	04:23:53	063,80	-015kPa	
	04:23:03	063,80	003kPa	
EXHAUST	04:21:33	063,90	008kPa	
	04:13:03	064,00	008kPa	
	04:03:03	064,00	008kPa	
	03:53:03	064,10	008kPa	
	03:43:03	064,10	008kPa	
	03:33:03	064,20	008kPa	
	03:23:03	064,20	008kPa	
	03:13:03	064,30	008kPa	
	03:03:03	064,40	008kPa	
	02:53:03	064,40	008kPa	
	02:43:03	064,50	008kPa	
	02:33:03	064,60	008kPa	
	02:23:03	064,60	008kPa	
	02:13:03	064,60	008kPa	
	02:03:03	064,60	008kPa	
	01:53:03	064,60	008kPa	
	01:43:03	064,60	009kPa	
	01:33:03	064,60	009kPa	
	01:23:03	064,60	009kPa	
	01:13:03	064,60	009kPa	
	01:03:03	064,60	009kPa	
	00:53:03	064,50	009kPa	
	00:43:03	064,40	009kPa	
	00:33:03	064,40	009kPa	
	00:23:03	064,40	009kPa	
	00:13:03	064,40	009kPa	
	00:03:03	064,40	009kPa	
	23:53:03	064,40	009kPa	
	23:43:03	064,40	009kPa	
	23:33:03	064,40	009kPa	
	23:23:03	064,40	009kPa	
	23:13:03	064,40	010kPa	
	23:03:03	064,40	010kPa	
	22:53:03	064,30	004kPa	
	22:43:03	064,30	004kPa	
	22:33:03	064,30	037kPa	
	22:23:03	064,20	044kPa	
	22:13:03	064,20	051kPa	
	22:03:03	064,20	053kPa	
	21:53:03	064,20	079kPa	
	21:43:03	064,20	147kPa	
	21:33:03	064,10	311kPa	
	21:23:03	064,30	311kPa	
STERI	21:22:05	064,40	300kPa	
	21:13:03	064,70	-024kPa	
	21:03:03	065,00	-024kPa	
ADD ED	20:59:05	065,00	-087kPa	
	20:53:03	064,90	000kPa	
HUMIDI	20:49:03	064,80	-066kPa	
PRETT	20:43:03	064,50	002kPa	
PREHEAT	20:13:59	060,90	002kPa	
STATE	TIME	TEMP	PRE	
RUN COUNT : 0394				
ED PRE	:060kPa	VENT TIME:	04H 00M	
STERI TEMP:	065,00	STERI TIME:	07H 00M	
PRO TYP	20:13:59	060,90	002kPa	
START TIME:	2021-02-22 20:13:52			

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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
PT-Z-TBNDJ-1.6-12.0-5/8-CR	STERILE TITANIUM DOUBLE JEWELLED NAVEL BANANA FOR PTIT ROC			471	
Z-PRTA-6.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE			3700	
THD-Z-BKBC-1.0-10.0-3	STERILE BLACK PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			300	
THD-Z-BKBC-1.2-8.0-4	STERILE BLACK PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			300	
THD-Z-BKBL-1.6-14.0-5	STERILE BLACK PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			300	
THD-Z-BKBL-1.6-19.0-5	STERILE BLACK PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-BKLB-1.6-10.0-4	STERILE BLACK PVD COATED SURGICAL STEEL LABRET FOR THENDRO			400	
THD-Z-BKMBL-1.2-8.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO BARBELL FOR THENDRO			600	
THD-Z-BKMLB-1.2-10.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO LABRET FOR THENDRO			1000	
THD-Z-BKMLB-1.2-8.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO LABRET FOR THENDRO			1000	
THD-Z-RGMCB-1.2-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL MICRO CIRCULAR BARBEL FOR THENDRO			700	
THD-Z-RGMLB-1.2-10.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL MICRO LABRET FOR THENDRO			1000	
THD-Z-RGBC-1.0-8.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			300	
THD-Z-RGBC-1.0-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			300	
THD-Z-RGBL-1.6-8.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-RGBL-1.6-12.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			400	
THD-Z-RGBL-1.6-14.0-5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO		LOT-0226	600	22 Feb 21
THD-Z-RGMBN-1.2-8.0-2.5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL CURVED MICRO BARBELL FOR THENDRO			300	
THD-Z-BC-1.6-10.0-4	STERILE SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			200	
THD-Z-BL-1.6-10.0-4	STERILE SURGICAL STEEL BARBELL FOR THENDRO			500	
THD-Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR THENDRO			1000	
THD-Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR THENDRO			1800	
THD-Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL FOR THENDRO			400	
THD-Z-MLB-1.2-12.0-3	STERILIZED SURGICAL STEEL MICRO LABRET FOR THENDRO			100	
THD-Z-MLB-1.2-8.0-3	STERILIZED SURGICAL STEEL MICRO LABRET FOR THENDRO			2000	
Z-CB-1.6-9.0-3	STERILE SURGICAL STEEL CIRCULAR BARBELL			25	
Z-TMBL-1.2-8.0-3-HP	STERILE TITANIUM MICRO BARBELL			76	
THD-Z-BNDJ-1.6-10.0-5/8-BZ	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA FOR THENDRO			100	
THD-Z-BNDJ-1.6-10.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA FOR THENDRO			600	
Z-MCB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			200	
Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			200	
TDI-Z-TMLB-1.2-7.0-3	STERILE TITANIUM MICRO LABRET FOR TDI			100	
PT-Z-TMBN-1.2-12.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR PTIT ROC			379	

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