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TEST REPORT

CUSTOMER : Salamander Jewelry Co.,Ltd.

M/C : SHINVA

Document No. : TR-EO-004160320

MODEL : XG 1 SERIES

Date : 16/3/2020

SERIAL No. : 070997

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PRODUCT : ORDER NO. 2298119

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	-
Humidification			
Humidity (%)	50%-90%	87%	-
Sterilization			
Steri Temp	55.0 - 59.0 (°C)	55.0 (°C)	-
Jacket Temp	60.0 - 65.0 (°C)	65.0 (°C)	-
Gas Injection			
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)	-
Exposure			
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	-
Exhaust			
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	-
Storage			
Storage Time	≥ 48 hour	≥ 48 hour	-
Chemical tested Sterile Strip			
EO sterilization temperatures 55-60 C° Time sterile by EO 7 hours .	Brown	Brown	Pass
Biological Test			
EZ Test Biological Indicator	Brown	Brown	Pass
24 hour results for EO	Red	Red	Pass

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SAMPLE SLIP PARAMETER

EXHAUST:04H DDMIN TOTAL :11H 49MIN			
PRETT :00H 47MIN STERI :07H DDMIN			
ACTUAL TIME			
04:39:20 STEILIZATION SUCCESS			
END	04:39:09	057,70	-001kPa
	04:39:09	057,70	-001kPa
	00:40:21	057,10	-014kPa
	00:38:39	057,10	-047kPa
EXHAUST	00:37:09	057,20	000kPa
	00:28:39	057,30	000kPa
	00:18:39	057,40	001kPa
	00:08:39	057,50	000kPa
	23:58:39	057,50	-001kPa
	23:48:39	057,80	001kPa
	23:38:39	057,90	000kPa
	23:28:38	058,00	001kPa
	23:18:38	058,10	001kPa
	23:08:38	058,20	000kPa
	22:58:38	058,40	001kPa
	22:48:38	058,50	000kPa
	22:38:38	058,70	000kPa
	22:28:38	058,90	000kPa
	22:18:38	059,00	000kPa
	22:08:38	059,10	001kPa
	21:58:38	059,20	000kPa
	21:48:38	059,90	001kPa
	21:38:38	060,10	000kPa
	21:28:38	059,80	000kPa
	21:18:38	059,90	001kPa
	21:08:38	060,10	001kPa
	20:58:38	060,30	001kPa

	20:48:38	060,30	001kPa
	20:38:38	060,40	001kPa
	20:28:38	060,60	000kPa
	20:18:38	060,70	000kPa
	20:08:38	060,90	001kPa
	19:58:38	061,00	001kPa
	19:48:38	061,20	000kPa
	19:38:38	061,30	002kPa
	19:28:38	061,50	001kPa
	19:18:38	061,60	000kPa
	19:08:38	061,70	002kPa
	18:58:38	061,90	034kPa
	18:48:38	062,00	049kPa
	18:38:38	062,20	052kPa
	18:28:38	062,30	057kPa
	18:18:38	062,40	066kPa
	18:08:38	062,40	092kPa
	17:58:38	062,10	184kPa
	17:48:38	061,60	311kPa
	17:38:38	060,80	236kPa
STERI	17:37:30	060,80	197kPa
ADD ED	17:32:17	060,70	-090kPa
	17:28:38	060,70	000kPa
HUMID1	17:22:10	060,80	-090kPa
PRETT	17:18:38	060,70	000kPa
PREHEAT	16:50:12	053,10	002kPa
STATE	TIME	TEMP	PRE
RUN COUNT : 2890			
ED PRE :060kPa VENT TIME:04H COM			
STERI TEMP: 065,00 STERI TIME:07H COM			
PRO TYP 16:50:12 053,10 002kPa			
START TIME: 2020-03-15 16:50:04			

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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-RGBC-1.0-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			400	
THD-Z-RGBC-1.0-8.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			500	
THD-Z-RGBC-1.2-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			800	
THD-Z-RGBC-1.2-6.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			200	
THD-Z-RGBC-1.2-8.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			500	
THD-Z-RGBC-1.6-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			200	
THD-Z-RGBC-1.6-12.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			100	
THD-Z-RGBC-1.6-14.0-5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			100	
THD-Z-RGBC-1.6-16.0-5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			100	
THD-Z-RGBC-1.6-8.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			100	
THD-Z-RGBL-1.6-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			400	
THD-Z-RGBL-1.6-12.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			300	
THD-Z-RGBL-1.6-14.0-5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			400	
THD-Z-RGBL-1.6-16.0-5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-RGBL-1.6-20.0-5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-RGBL-1.6-8.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-RGBN-1.6-10.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL CURVED BARBELL FOR THENDRO		LOT-0185	100	15 Mar 20
THD-Z-RGCB-1.6-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL CIRCULAR BARBELL FOR THENDRO			180	
THD-Z-RGCB-1.6-12.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL CIRCULAR BARBELL FOR THENDRO			90	
THD-Z-RGCB-1.6-8.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL CIRCULAR BARBELL FOR THENDRO			180	
THD-Z-RGCNO-1.0-6.5-1.8	STERILE ROSE GOLD PVD COATED SURGICAL STEEL CURVED BALL NOSE STUD FOR THENDRO			300	
THD-Z-RGJNO-0.8-6.5-2.35-CR	STERILE ROSE GOLD PVD COATED SURGICAL STEEL SWAROVSKI CRYSTAL JEWELLED CURVED NOSE STUD FOR THENDRO			700	
THD-Z-RGLB-1.6-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL LABET FOR THENDRO			180	
THD-Z-RGLB-1.6-8.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL LABET FOR THENDRO			200	
THD-Z-RGMBL-1.2-10.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL MICRO BARBELL FOR THENDRO			600	
THD-Z-RGMBL-1.2-8.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL MICRO BARBELL FOR THENDRO			700	
THD-Z-RGMBN-1.2-10.0-2.5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL CURVED MICRO BARBELL FOR THENDRO			300	
THD-Z-RGMBN-1.2-8.0-2.5	STERILE ROSE GOLD PVD COATED SURGICAL STEEL CURVED MICRO BARBELL FOR THENDRO			300	
THD-Z-RGMCB-1.2-10.0-4	STERILE ROSE GOLD PVD COATED SURGICAL STEEL MICRO CIRCULAR BARBEL FOR THENDRO			300	
THD-Z-RGMCB-1.2-8.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL MICRO CIRCULAR BARBEL FOR THENDRO			400	
THD-Z-RGMLB-1.2-10.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL MICRO LABRET FOR THENDRO			900	
THD-Z-RGMLB-1.2-8.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL MICRO LABRET FOR THENDRO			900	
TDI-Z-TBNDJ-OP-1.6-10.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR TDI			50	
TDI-Z-TBNDJ-OP-1.6-12.0-5/8-AQ	STERILE TITANIUM JEWELLED NAVEL BANANA FOR TDI			25	
TDI-Z-TBNDJ-OP-1.6-12.0-5/8-BZ	STERILE TITANIUM JEWELLED NAVEL BANANA FOR TDI			50	
TDI-Z-TBNDJ-OP-1.6-12.0-5/8-RO	STERILE TITANIUM JEWELLED NAVEL BANANA FOR TDI			50	

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CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
TDI-Z-TBNJ-OP-1.6-12.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR TDI			100	
Z-TBC-1.2-9.0-4-HP	STERILE TITANIUM BALL CLOSURE RING			24	
TDI-Z-TINBL-1.6-32.0-5	STERILE TITANIUM INTERNALLY THREADED BARBELL FOR TDI			50	
TDI-Z-TINBL-1.6-38.0-5	STERILE TITANIUM INTERNALLY THREADED BARBELL FOR TDI			50	
TDI-Z-TINMLBJ-1.2-10.0-2-CR	STERILE TITANIUM INTERNALLY THREADED JEWELLED MICRO LABRET FOR TDI			100	
TDI-Z-TINMLBJ-1.2-6.0-2-CR	STERILE TITANIUM INTERNALLY THREADED JEWELLED MICRO LABRET FOR TDI			100	
TDI-Z-TINMLBJ-1.2-8.0-2-CR	STERILE TITANIUM INTERNALLY THREADED JEWELLED MICRO LABRET FOR TDI			100	
TDI-Z-BKMLB-1.2-8.0-3	STERILE BLACK PVD COATED SURGICAL STEEL MICRO LABRET FOR TDI			50	
TDI-Z-BNDJ-OP-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE CZECH CRYSTALS JEWELLED NAVEL BANANA FOR TDI			100	
Z-TBL-1.6-16.0-5-HP	STERILE TITANIUM BARBELL			19	
Z-TBL-1.6-20.0-5-HP	STERILE TITANIUM BARBELL		LOT-0185	21	15 Mar 20
Z-TBNJ-1.6-10.0-5/8-HP-CR	STERILE TITANIUM JEWELLED NAVEL BANANA			24	
Z-TMLB-1.2-10.0-3-HP	STERILE TITANIUM MICRO LABRET			50	
Z-MBL-1.2-14.0-4	STERILE SURGICAL STEEL MICRO BARBELL			25	
Z-MBL-1.2-16.0-4	STERILE SURGICAL STEEL MICRO BARBELL			25	
Z-BL-1.6-38.0-5	STERILE SURGICAL STEEL BARBELL			25	
Z-BNN-1.6-12.0-5/8	STERILE SURGICAL STEEL NAVEL BANANA			10	
Z-MCB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			20	
Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			20	
Z-TMBN-1.2-12.0-3-HP	STERILE TITANIUM MICRO CURVED BARBELL			30	
Z-PRTA-6.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE			122	
Z-TBNJ-1.6-12.0-5/8-HP-CR	STERILE TITANIUM JEWELLED NAVEL BANANA			50	
Z-XBL-1-1.6-22.0-5-CL	STERILE BIOFLEX BARBELL WITH STEEL BALLS			10	
Z-XMBN-1-1.2-10.0-3-CL	STERILE BIOFLEX MICRO CURVED BARBELL WITH STEEL BALLS			12	
Z-BL-1.6-16.0-5	STERILE SURGICAL STEEL BARBELL			148	

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MODEL : XG 1 SERIES

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PRODUCT : ORDER NO. 2297817

CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
THD-Z-TBL-1.6-16.0-4	STERILE TITANIUM BARBELL FOR THENDRO			300	
THD-Z-TBL-1.6-19.0-4	STERILE TITANIUM BARBELL FOR THENDRO			400	
THD-Z-TBL-1.6-8.0-4	STERILE TITANIUM BARBELL FOR THENDRO			198	
THD-Z-TBN-1.6-10.0-4	STERILE TITANIUM CURVED BARBELL FOR THENDRO			200	
THD-Z-TBN-1.6-8.0-4	STERILE TITANIUM CURVED BARBELL FOR THENDRO			198	
THD-Z-TCB-1.6-10.0-4	STERILE TITANIUM CIRCULAR BARBELL FOR THENDRO			200	
THD-Z-TJNO-1.0-6.5-1.8-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD FOR THENDRO			1300	
THD-Z-TLB-1.6-10.0-4	STERILE TITANIUM LABRET FOR THENDRO			300	
THD-Z-TMBL-1.2-10.0-3	STERILE TITANIUM MICRO BARBELL FOR THENDRO			2300	
THD-Z-TMBL-1.2-6.0-3	STERILE TITANIUM MICRO BARBELL FOR THENDRO			200	
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-0184	500	10 Mar 20
THD-Z-TMBN-1.2-8.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR THENDRO			500	
THD-Z-TMCB-1.2-10.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR THENDRO			800	
THD-Z-TMCB-1.2-12.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR THENDRO			198	
THD-Z-TMCB-1.2-8.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR THENDRO			300	
THD-Z-TMLB-1.2-10.0-3	STERILE TITANIUM MICRO LABRET FOR THENDRO			1800	
THD-Z-TMLB-1.2-12.0-3	STERILE TITANIUM MICRO LABRET FOR THENDRO			500	
THD-Z-TMLB-1.2-8.0-3	STERILE TITANIUM MICRO LABRET FOR THENDRO			1800	
Z-TMBN-1.2-8.0-3-HP	STERILE TITANIUM CURVED MICRO BARBELL			50	
TDI-Z-TINMCB-1.2-10.0-3	STERILE TITANIUM INTERNALLY THREADED MICRO CIRCULAR BARBELL FOR TDI			50	
Z-BCSH-1.2-8.0	STERILE SURGICAL STEEL HINGED SEGMENT RING			50	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			402	
Z-COBC-1.0-8.0	STERILE SURGICAL STEEL CONTINUOUS RING			25	
PT-Z-XJNO2-0.8-6.0-2.35-CL-CR	STERILE BIOFLEX JEWELLED CURVED NOSE STUD FOR PTIT ROC			214	
Z-LJNO-S-0.8-19.0-1.8-CR	STERILE SURGICAL STEEL SWAROVSKI CRYSTAL JEWELLED STRAIGHT NOSE STUD 19MM			60	
Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL			300	
Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL			100	

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