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TEST REPORT

CUSTOMER : Salamander Jewelry Co.,Ltd.

M/C : SHINVA

Document No. : TR-EO-001020321

MODEL : XG 1 SERIES

Date : 2/3/2021

SERIAL No. : 070997

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PRODUCT : ORDER NO. 2338505

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			
Ster 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

EXP/ST	04H	COM/IR	TOTAL	±11H	54MIN
PRETT	±001.58MIN	STERI	±07H	COM/IN	
ACTUAL TIME					
05:24:50 STERILIZATION SUCCESS					
END	05:24:39	062,60	-002kPa		
	05:24:39	062,60	-002kPa		
	01:25:12	063,90	-015kPa		
EXHAUST	01:22:39	064,00	002kPa		
	01:20:09	064,10	002kPa		
	01:10:09	064,20	002kPa		
	01:00:09	064,40	002kPa		
	00:50:09	064,50	002kPa		
	00:40:09	064,60	002kPa		
	00:30:09	064,70	002kPa		
	00:20:09	064,80	002kPa		
	00:10:09	065,00	002kPa		
	00:00:09	065,10	002kPa		
	23:50:09	065,20	002kPa		
	23:40:09	065,30	002kPa		
	23:30:09	065,30	002kPa		
	23:20:09	065,50	002kPa		
	23:10:09	065,60	002kPa		
	23:00:09	065,70	002kPa		
	22:50:09	065,90	002kPa		
	22:40:09	065,90	002kPa		
	22:30:09	066,10	002kPa		
	22:20:09	066,10	002kPa		
	22:10:09	066,30	002kPa		
	22:00:09	066,30	002kPa		
	21:50:09	066,40	002kPa		
	21:40:09	066,50	002kPa		

	21:30:09	066,60	002kPa		
	21:20:09	066,80	002kPa		
	21:10:09	066,80	002kPa		
	21:00:09	067,00	002kPa		
	20:50:09	067,10	002kPa		
	20:40:09	067,30	002kPa		
	20:30:09	067,30	002kPa		
	20:20:09	067,40	002kPa		
	20:10:09	067,60	047kPa		
	20:00:09	067,70	053kPa		
	19:50:09	067,80	056kPa		
	19:40:09	068,00	059kPa		
	19:30:09	068,00	064kPa		
	19:20:09	068,30	077kPa		
	19:10:09	068,40	090kPa		
	19:00:09	068,50	120kPa		
	18:50:09	068,60	219kPa		
	18:40:09	068,70	311kPa		
	18:30:09	068,60	311kPa		
STERI	18:22:58	068,70	296kPa		
	18:20:09	069,20	-003kPa		
ADD ED	18:16:06	069,40	-007kPa		
	18:10:09	069,70	-003kPa		
HUMIDI	18:06:05	069,80	-007kPa		
PRETT	18:00:09	069,90	002kPa		
PREHEAT	17:30:55	069,80	002kPa		
STATE	TIME	TEMP	PRE		

RUN COUNT : 0405
ED PRE :060kPa WENT TIME:04H 00M
STERI TEMP: 065,00 STERI TIME:07H 00M
PRO TIP 17:30:55 069,80 002kPa
START TIME: 2021-03-01 17:30:47

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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-BC-1.6-12.0-5	STERILE SURGICAL STEEL BALL CLOSURE RING FOR TDI			50	
TDI-Z-BCSH-1.2-8.0	STERILE SURGICAL STEEL HINGED SEGMENT RING FOR TDI			100	
TDI-Z-BKBL-1.6-14.0-5	STERILE BLACK PVD COATED SURGICAL STEEL BARBELL FOR TDI			50	
TDI-Z-BKMBL-1.2-8.0-3	STERILEBLACK PVD COATED SURGICAL STEEL MICRO BARBELL FOR TDI			75	
TDI-Z-BNDJ-OP-1.6-10.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE CZECH CRYSTALS JEWELED NAVEL BANANA FOR TDI			100	
TDI-Z-INMLBJ-1.2-6.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWELED MICRO LABRET FOR TDI			50	
TDI-Z-INMLBJ-1.2-8.0-2-CR	LLY THREADED JEWELED MICRO LABRET FOR TDI			100	
TDI-Z-MLB-1.2-10.0-3	STERILIZED SURGICAL STEEL MICRO LABRET FOR TDI			200	
TDI-Z-MLB-1.2-12.0-2.5	STERILIZED SURGICAL STEEL MICRO LABRET FOR TDI			50	
TDI-Z-MLBJ-OP-1.2-8.0-3-CR	STERILE SURGICAL STEEL CZECH CRYSTAL JEWELED MICRO LABRET FOR TDI			200	
TDI-Z-TBNDJ-OP-1.6-10.0-5/8-AQ	STERILE TITANIUM JEWELED NAVEL BANANA FOR TDI			25	
TDI-Z-TBNDJ-OP-1.6-10.0-5/8-CR	STERILE TITANIUM JEWELED NAVEL BANANA FOR TDI			200	
TDI-Z-TBNJ-OP-1.6-12.0-5/8-RO	STERILE TITANIUM JEWELED NAVEL BANANA FOR TDI			30	
TDI-Z-TBNN-1.6-12.0-5/8	STERILE TITANIUM NAVEL BANANA FOR TDI			200	
TDI-Z-TINBL-1.6-18.0-5	STERILE TITANIUM INTERNALLY THREADED BARBELL FOR TDI			100	
TDI-Z-TINBL-1.6-20.0-5	STERILE TITANIUM INTERNALLY THREADED BARBELL FOR TDI			100	
TDI-Z-TINBN-1.6-10.0-4	STERILE TITANIUM INTERNALLY THREADED CURVED BARBELL FOR TDI		LOT-0228	100	1 Mar 21
TDI-Z-TINDAJD-1.6-2.5-4-CR	STERILE TITANIUM INTERNALLY THREADED DERMAL ANCHOR WITH JEWELED DISC FOR TDI			50	
TDI-Z-TINMBN-1.2-12.0-3	STERILE TITANIUM INTERNALLY THREADED CURVED MICRO BARBELL FOR TDI			50	
TDI-Z-TINMLB-1.2-10.0-2	STERILE TITANIUM INTERNALLY THREADED MICRO LABRET FOR TDI			200	
TDI-Z-TINMLBJ-1.2-10.0-2-CR	STERILE TITANIUM INTERNALLY THREADED JEWELED MICRO LABRET FOR TDI			100	
TDI-Z-TMBL-1.2-10.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR TDI			200	
TDI-Z-TMBN-1.2-8.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR TDI			500	
TDI-Z-TMLB-1.2-10.0-2.5	STERILE TITANIUM MICRO LABRET FOR TDI			200	
TDI-Z-TMLB-1.2-10.0-3	STERILE TITANIUM MICRO LABRET FOR TDI			300	
TDI-Z-TMLBJ-1.2-10.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELED BALL FOR TDI			200	
TDI-Z-TMLBJ-OP-1.2-10.0-3-CR	STERILE TITANIUM MICRO LABRET WITH JEWELED BALL FOR TDI			200	
TDI-Z-TMLBJ-OP-1.2-6.0-3-CR	STERILE TITANIUM MICRO LABRET WITH JEWELED BALL FOR TDI			100	
Z-BL-1.6-14.0-5	STERILE SURGICAL STEEL BARBELL			154	
Z-BL-1.6-18.0-5	STERILE SURGICAL STEEL BARBELL			154	
Z-INMLBJ-1.2-8.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWELED MICRO LABRET			100	
Z-BL-1.6-34.0-5	STERILE SURGICAL STEEL BARBELL			50	
Z-MLB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO LABRET			275	
TDI-Z-TBC-1.0-10.0-4	STERILE TITANIUM BALL CLOSURE RING FOR TDI			50	
TDI-Z-TBC-1.2-10.0-4	STERILE TITANIUM BALL CLOSURE RING FOR TDI			100	
TDI-Z-TBC-1.2-12.0-4	STERILE TITANIUM BALL CLOSURE RING FOR TDI			100	

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CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
TDI-Z-TBC-1.2-6.0-4	STERILE TITANIUM BALL CLOSURE RING FOR TDI			25	
TDI-Z-TBC-1.2-9.0-4	STERILE TITANIUM BALL CLOSURE RING FOR TDI			100	
TDI-Z-TBCH-1.2-8.0-4	STERILE TITANIUM BALL CLOSURE RING WITH HEMATITE BALL FOR TDI			75	
TDI-Z-TJNO-OP-1.0-6.5-2-CR	STERILIZE CZECH CRYSTAL CURVED NOSE STUD FOR TDI			300	
TDI-Z-ONR-1.0-9.0-2.5	STERILE SURGICAL STEEL OPEN NOSE RING FOR TDI			100	
TDI-Z-TBNDJ-OP-1.6-10.0-5/8-RO	STERILE TITANIUM JEWEL NAVE BANANA FOR TDI			50	
Z-INMLBJ-1.2-10.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWEL MICRO LABRET			50	
Z-MBN-1.2-12.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL			100	
Z-MLBJ-1.2-8.0-3-CR	STERILE SURGICAL STEEL JEWEL MICRO LABRET			100	
Z-TMCB-1.2-8.0-3-HP	STERILE TITANIUM MICRO CIRCULAR BARBELL			50	
TDI-Z-TINBNDJOP-1.6-10.0-5-CR	STERILE TITANIUM INTERNALLY THREADED DOUBLE SWAROVSKI CRYSTAL JEWEL NAVE BANANA FOR TDI			50	
TDI-Z-TONR-0.8-9.0-1.7	STERILE TITANIUM OPEN NOSE RING FOR TDI			50	
TDI-Z-TINBL-1.6-14.0-5	STERILE TITANIUM INTERNALLY THREADED BARBELL FOR TDI			50	
Z-BNDJ-1.6-10.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWEL NAVE BANANA			74	
Z-TMCB-1.2-10.0-3-HP	STERILE TITANIUM MICRO CIRCULAR BARBELL			50	
Z-MCB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			105	
Z-JNO-0.8-6.5-2.35-CR	STERILE SURGICAL STEEL JEWEL CURVED NOSE STUD		LOT-0228	97	1 Mar 21
PT-Z-TMLB-1.2-8.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			976	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWEL BALL FOR PTIT ROC			334	
PT-Z-TBCSH-1.2-10.0-HP	STERILE TITANIUM HINGED SEGMENT RING FOR PTIT ROC			400	
PT-Z-TBCSH-1.2-8.0-HP	STERILE TITANIUM HINGED SEGMENT RING FOR PTIT ROC			400	
PT-Z-TMLB-1.2-10.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			2993	
TDI-Z-TNO-1.0-6.5-2.5	STERILE TITANIUM TITANIUM CURVED BALL NOSE STUD FOR TDI			100	
Z-MCB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			75	
Z-MLB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO LABRET			100	
TDI-Z-TBL-1.6-18.0-5	STERILE TITANIUM BARBELL FOR TDI			200	
Z-TINDAJD-1.6-2.5-4-HP-CR	STERILE TITANIUM INTERNALLY THREADED DERMAL ANCHOR WITH JEWEL DISC			50	
Z-MLB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO LABRET			260	
Z-TBC-1.2-9.0-4-HP	STERILE TITANIUM BALL CLOSURE RING			50	
PT-Z-TMLB-1.2-9.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			1000	
Z-TMCB-1.2-10.0-3-HP	STERILE TITANIUM MICRO CIRCULAR BARBELL			50	
Z-MLB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO LABRET			300	
Z-INMLBJ-1.2-8.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWEL MICRO LABRET			50	
PT-Z-TMLB-1.2-9.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			750	
PT-Z-TMBL-1.2-8.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			659	
PT-Z-TMBN-1.2-8.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR PTIT ROC			207	
PT-Z-TMLB-1.2-12.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			112	
PT-Z-XMBN-1-1.2-10.0-3-CL	STERILE BIOFLEX MICRO CURVED BARBELL WITH STEEL BALLS FOR PTIT ROC			50	
PT-Z-XMBN-1-1.2-8.0-3-CL	STERILE BIOFLEX MICRO CURVED BARBELL WITH STEEL BALLS FOR PTIT ROC			53	
Z-MLBJ-1.2-8.0-2.5-CR	STERILE SURGICAL STEEL JEWEL MICRO LABRET			20	
QL-Z-BKMLB-1.2-8.0-2.5	STEEL MICRO LABRET FOR QUILLIAN NO CARD			50	
QL-Z-BL-1.6-20.0-5	STERILE SURGICAL STEEL BARBELL FOR QUILLIAN NO CARD			100	
QL-Z-FBC-1.0-8.0-3	STERILE SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			100	
THD-Z-RGBC-1.2-8.0-3	STERILE ROSE GOLD PVD COATED SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			400	
THD-Z-RJNO-0.8-6.5-2.35-CR	STERILE ROSE GOLD PVD COATED SURGICAL STEEL SWAROVSKI CRYSTAL JEWEL CURVED NOSE STUD FOR THENDRO			1000	
PT-Z-TMLBJ-1.2-10.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWEL BALL FOR PTIT ROC			201	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWEL BALL FOR PTIT ROC			562	
Z-MBN-1.2-12.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL				
Z-MCB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL				

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CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
TDI-Z-BCSH-1.2-6.0	STERILE SURGICAL STEEL HINGED SEGMENT RING FOR TDI			200	
TDI-Z-BCSH-1.2-8.0	STERILE SURGICAL STEEL HINGED SEGMENT RING FOR TDI			100	
TDI-Z-TMCB-1.2-8.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR TDI			200	
Z-MBN-1.2-12.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL			100	
PT-Z-TBCSH-1.6-12.0-HP	STERILE TITANIUM HINGED SEGMENT RING		LOT-0228	100	1 Mar 21
THD-Z-JNO-1.0-6.5-2.35-LR	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD FOR THENDRO			200	
PT-Z-TMBN-1.2-8.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR PTIT ROC			162	
Z-XJNO-0.8-6.0-2-CL-CR	STERILE BIOFLEX JEWELLED CURVED NOSE STUD			50	
PT-Z-TBCH-1.2-8.0-4	STERILE TITANIUM BALL CLOSURE RING WITH HEMATITE BALL FOR PTIT ROC			124	

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