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TEST REPORT

CUSTOMER : Salamander Jewelry Co.,ltd.

M/C : SHINVA

Document No. : TR-EO-010210420

MODEL : XG 1 SERIES

Date : 21/4/2020

SERIAL No. : 070997

Page : 1 / 5

PRODUCT : ORDER NO. 2300746

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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Date : 21/4/2020

Page : 2 / 5

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SAMPLE SLIP PARAMETER

EXHAUST:04H 00MIN TOTAL :11H 53MIN			
PRETT :00H 51MIN STERI :07H 00MIN			
ACTUAL TIME			
07:58:33 STEILIZATION SUCCESS			
END	07:58:22	056,40	001kPa
	07:58:22	056,40	001kPa
	03:58:44	055,90	-015kPa
EXHAUST	03:56:22	055,90	007kPa
	03:54:52	055,90	008kPa
	03:44:52	055,80	008kPa
	03:34:52	055,80	007kPa
	03:24:52	055,70	007kPa
	03:14:52	055,70	008kPa
	03:04:52	055,70	007kPa
	02:54:52	055,50	007kPa
	02:44:52	055,50	007kPa
	02:34:52	055,60	007kPa
	02:24:52	055,60	008kPa
	02:14:52	055,40	007kPa
	02:04:52	055,50	007kPa
	01:54:52	055,30	007kPa
	01:44:52	055,40	007kPa
	01:34:52	055,20	008kPa
	01:24:52	055,30	008kPa
	01:14:52	055,20	008kPa
	01:04:52	055,00	007kPa
	00:54:52	055,10	008kPa
	00:44:52	055,10	007kPa
	00:34:52	055,10	008kPa
	00:24:52	055,10	008kPa
	00:14:52	055,00	007kPa
	00:04:52	055,00	008kPa

	23:54:52	055,10	008kPa
	23:44:52	055,00	008kPa
	23:34:52	055,00	008kPa
	23:24:52	055,10	007kPa
	23:14:52	055,10	008kPa
	23:04:52	055,10	008kPa
	22:54:52	055,10	008kPa
	22:44:52	055,10	009kPa
	22:34:52	055,10	008kPa
	22:24:52	055,10	009kPa
	22:14:52	055,10	007kPa
	22:04:52	055,00	008kPa
	21:54:51	055,10	008kPa
	21:44:51	055,00	009kPa
	21:34:51	055,00	009kPa
	21:24:51	055,00	009kPa
	21:14:51	055,00	009kPa
	21:04:51	054,80	009kPa
STERI	20:56:40	055,00	311kPa
	20:54:51	055,10	014kPa
ADD ED	20:48:23	055,10	-089kPa
	20:44:51	055,20	-001kPa
HUMIDI	20:38:21	055,10	-088kPa
PRETT	20:34:51	054,90	000kPa
PREHEAT	20:05:45	054,40	000kPa
STATE	TIME	TEMP	PRE
RUN COUNT : 2938			
ED PRE	:060kPa	VENT TIME:04H 00M	
STERI TEMP:	055,00	STERI TIME:07H 00M	
PRO TYP	20:05:45	054,40	000kPa
START TIME:	2020-04-11 20:05:38		

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Page : 3 / 5

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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-BC-1.2-10.0-4	STERILE SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			1800	
THD-Z-BC-1.2-12.0-4	STERILE SURGICAL STEEL BALL CLOSURE RING FOR THENDRO			300	
THD-Z-BL-1.6-10.0-4	STERILE SURGICAL STEEL BARBELL FOR THENDRO			300	
THD-Z-BL-1.6-14.0-5	STERILE SURGICAL STEEL BARBELL FOR THENDRO			1000	
THD-Z-BL-1.6-18.0-5	STERILE SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-BL-1.6-8.0-4	STERILE SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-LB-1.6-10.0-4	STERILE SURGICAL STEEL LABRET FOR THENDRO			400	
THD-Z-LB-1.6-8.0-4	STERILE SURGICAL STEEL LABRET FOR THENDRO			300	
THD-Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR THENDRO			2000	
THD-Z-MBL-1.2-12.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR THENDRO			200	
THD-Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR THENDRO			1000	
THD-Z-MBN-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL FOR THENDRO			1000	
THD-Z-MBN-1.2-6.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL FOR THENDRO			300	
THD-Z-MBN-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL FOR THENDRO			1000	
THD-Z-MCB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL FOR THENDRO			1300	
THD-Z-MLB-1.2-8.0-3	STERILIZED SURGICAL STEEL MICRO LABRET FOR THENDRO			1300	
THD-Z-BNDJ-1.6-10.0-5/8-AB	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA FOR THENDRO		LOT-0187	400	11 Apr 20
THD-Z-BNDJ-1.6-10.0-5/8-AQ	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA FOR THENDRO			300	
THD-Z-BNDJ-1.6-10.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA FOR THENDRO			500	
THD-Z-BNDJ-1.6-10.0-5/8-LR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA FOR THENDRO			400	
THD-Z-BNDJ-1.6-10.0-5/8-SA	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA FOR THENDRO			200	
THD-Z-JNO-1.0-6.5-2.35-AB	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD FOR THENDRO			1000	
THD-Z-JNO-1.0-6.5-2.35-AQ	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD FOR THENDRO			300	
THD-Z-JNO-1.0-6.5-2.35-BZ	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD FOR THENDRO			500	
THD-Z-JNO-1.0-6.5-2.35-JE	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD FOR THENDRO			700	
THD-Z-JNO-1.0-6.5-2.35-LR	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD FOR THENDRO			300	
THD-Z-JNO-1.0-6.5-2.35-SA	STERILE SURGICAL STEEL JEWELLED CURVED NOSE STUD FOR THENDRO			300	
THD-Z-SBNDJ-1.6-10.0-4/6-AQ	STERILE SURGICAL STEEL DOUBLE JEWELLED MINI NAVEL BANANA FOR THENDRO			200	
THD-Z-SBNDJ-1.6-10.0-4/6-BZ	STERILE SURGICAL STEEL DOUBLE JEWELLED MINI NAVEL BANANA FOR THENDRO			200	
THD-Z-SBNDJ-1.6-10.0-4/6-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED MINI NAVEL BANANA FOR THENDRO			1000	
THD-Z-SBNDJ-1.6-10.0-4/6-LR	STERILE SURGICAL STEEL DOUBLE JEWELLED MINI NAVEL BANANA FOR THENDRO			200	
THD-Z-SBNDJ-1.6-10.0-4/6-SA	STERILE SURGICAL STEEL DOUBLE JEWELLED MINI NAVEL BANANA FOR THENDRO			200	
THD-Z-BL-1.6-24.0-5	STERILE SURGICAL STEEL BARBELL FOR THENDRO			200	
THD-Z-BL-1.6-26.0-5	STERILE SURGICAL STEEL BARBELL FOR THENDRO			100	
THD-Z-BL-1.6-28.0-5	STERILE SURGICAL STEEL BARBELL FOR THENDRO			100	
THD-Z-BL-1.6-40.0-5	STERILE SURGICAL STEEL BARBELL FOR THENDRO			100	

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Page : 4 / 5

PRODUCT : ORDER NO. 2300746

CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
QL-Z-BKBL-1.6-12.0-4	STERILE BLACK PVD SURGICAL STEEL BARBELL FOR QUILLIAN NO CARD			50	
QL-Z-BKFBC-1.0-10.0-3	STERILE BLACK PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			50	
QL-Z-BKFBC-1.0-6.0-3	STERILE BLACK PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			50	
QL-Z-BKFBC-1.0-8.0-3	STERILE BLACK PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN			50	
QL-Z-BKFBC-1.0-9.0-3	STERILE BLACK PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			50	
QL-Z-BL-1.6-12.0-4	STERILE SURGICAL STEEL BARBELL FOR QUILLIAN			50	
QL-Z-FBC-1.0-10.0-3	STERILE SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			100	
QL-Z-FBC-1.0-6.0-3	STERILE SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			50	
QL-Z-FBC-1.0-8.0-3	STERILE SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			100	
QL-Z-FBC-1.0-9.0-3	STERILE SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			100	
QL-Z-GSNEEDLES-1.2-48.0	STERILIZED STAINLESS STEEL NEEDLE FOR QUILLIAN			200	
QL-Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR QUILLIAN			50	
QL-Z-PRTA-6.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE 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-1.0-10.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			50	
QL-Z-ZGFBC-1.0-6.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			50	
QL-Z-ZGFBC-1.0-8.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			50	
QL-Z-ZGMBL-1.2-7.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL MICRO BARBELL FOR QUILLIAN NO CARD			50	
QL-Z-ZGMBL-1.2-8.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL MICRO BARBELL FOR QUILLIAN NO CARD			50	
QL-Z-ZGMLB-1.2-8.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL MICRO LABRET FOR QUILLIAN NO CARD			50	
Z-BNDJ-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL DOUBLE JEWELLED NAVEL BANANA			270	
Z-BC-1.2-12.0-4	STERILE SURGICAL STEEL BCR			162	
Z-BC-1.6-10.0-4	STERILE SURGICAL STEEL BCR		LOT-0187	200	11 Apr 20
Z-GSNEEDLES-0.8-48.0	STERILIZED STAINLESS STEEL NEEDLE			538	
Z-GSNEEDLES-1.2-48.0	STERILIZED STAINLESS STEEL NEEDLE			7020	
Z-GSNEEDLES-2.0-48.0	STERILIZED STAINLESS STEEL NEEDLE			1200	
Z-PRTA-6.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE			125	
Z-BN-1.6-12.0-4	STERILE SURGICAL STEEL CURVED BARBELL			30	
Z-TJNO-1.0-6.5-2.35-HP-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD			50	
Z-BNJ-1.6-12.0-5/8-CR	STERILE SURGICAL STEEL JEWELLED NAVEL BANANA			112	
TDI-Z-TINMCB-1.2-10.0-3	STERILE TITANIUM INTERNALLY THREADED MICRO CIRCULAR BARBELL FOR TDI			50	
Z-LB-1.6-10.0-4	STERILE SURGICAL STEEL LABRET			20	
PT-Z-TJNO-0.8-6.5-2.35-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD FOR PTIT ROC			580	
PT-Z-TMCB-1.2-10.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR PTIT ROC			312	
PT-Z-TJNO-0.8-6.5-2.35-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD FOR PTIT ROC			207	
Z-PNV-CRE	STERILE DISPOSAL ROUND CLAMPS			509	
Z-PSSP-CRE	STERILE DISPOSAL SLOTTED PENNINGTONS			37	
Z-BC-1.2-10.0-4	STERILE SURGICAL STEEL BCR			442	
Z-INMLBJ-1.2-8.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWELLED MICRO LABRET			53	
TDI-Z-TINMBN-1.2-8.0-3	STERILE TITANIUM INTERNALLY THREADED CURVED MICRO BARBELL FOR TDI			50	
TDI-Z-TINMCB-1.2-8.0-3	STERILE TITANIUM INTERNALLY THREADED MICRO CIRCULAR BARBELL FOR TDI			100	
TDI-Z-TINMLB-1.2-6.0-2	STERILE TITANIUM INTERNALLY THREADED MICRO LABRET FOR TDI			50	
TDI-Z-JNO-OP-1.0-6.5-2-CR	STERILE SURGICAL STEEL CZECH CRYSTAL JEWELLED CURVED NOSE STUD FOR TDI			200	
Z-GSNEEDLES-2.5-48.0	STERILIZED STAINLESS STEEL NEEDLE			200	
Z-TJNO-1.0-6.5-2.35-HP-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD			100	
Z-PRTA-6.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE			250	
Z-TBNJ-1.6-10.0-5/8-HP-CR	STERILE TITANIUM JEWELLED NAVEL BANANA			10	
Z-BNJ-1.6-10.0-5/8-CR	STERILE SURGICAL STEEL JEWELLED NAVEL BANANA			10	

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Date : 21/4/2020

Page : 5 / 5

PRODUCT : ORDER NO. 2300746

CODE	Iteme	Color	Lot. No	TOTAL QUANTITY	STERILIZED DATE
Z-MBN-1.2-12.0-3	STERILE SURGICAL STEEL MICRO CURVED BARBELL			122	
Z-MBL-1.2-10.0-3	STERILE SURGICAL STEEL MICRO BARBELL		LOT-0187	300	11 Apr 20
Z-GSNEEDLES-1.2-48.0	STERILIZED STAINLESS STEEL NEEDLE			1150	
Z-TMBL-1.2-9.0-3-HP	STERILE TITANIUM MICRO BARBELL			20	

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