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TEST REPORT

CUSTOMER : Salamander Jewelry Co.,Ltd.

M/C : SHINVA

Document No. : TR-EO-007250220

MODEL : XG 1 SERIES

Date : 25/2/2020

SERIAL No. : 070997

Page : 1 / 4

PRODUCT : ORDER NO. 2295884

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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Page : 2 / 4

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SAMPLE SLIP PARAMETER

EXHAUST:04H 00MIN TOTAL :11H 53MIN			
PRETT :00H 52MIN STERI :07H 00MIN			
ACTUAL TIME			
07:49:30 STEILIZATION SUCCESS			
END	07:49:19	069,20	001kPa
	07:49:19	069,20	001kPa
	03:50:12	058,00	-014kPa
EXHAUST	03:48:18	058,10	002kPa
	03:44:48	058,10	003kPa
	03:34:48	058,30	003kPa
	03:24:48	058,50	004kPa
	03:14:48	058,50	004kPa
	03:04:48	058,80	003kPa
	02:54:48	059,10	003kPa
	02:44:48	059,20	003kPa
	02:34:48	059,50	003kPa
	02:24:48	059,60	003kPa
	02:14:48	059,80	003kPa
	02:04:48	060,10	004kPa
	01:54:48	060,30	003kPa
	01:44:48	060,50	004kPa
	01:34:48	060,60	003kPa
	01:24:48	060,90	004kPa
	01:14:48	061,10	004kPa
	01:04:48	061,30	004kPa
	00:54:48	061,50	004kPa
	00:44:48	061,60	004kPa
	00:34:48	061,80	004kPa
	00:24:48	061,80	003kPa
	00:14:48	061,70	004kPa
	00:04:48	061,70	004kPa

	23:54:48	061,70	004kPa
	23:44:48	061,60	005kPa
	23:34:48	061,70	004kPa
	23:24:48	061,80	003kPa
	23:14:48	061,90	004kPa
	23:04:48	061,90	004kPa
	22:54:48	061,70	004kPa
	22:44:48	061,70	003kPa
	22:34:48	061,70	006kPa
	22:24:48	061,70	004kPa
	22:14:48	061,70	004kPa
	22:04:48	061,90	005kPa
	21:54:48	062,00	005kPa
	21:44:48	062,20	005kPa
	21:34:48	062,30	005kPa
	21:24:48	062,20	004kPa
	21:14:48	062,20	004kPa
	21:04:48	061,90	005kPa
	20:54:48	061,70	006kPa
STERI	20:48:23	061,80	173kPa
	20:44:48	062,20	-008kPa
ADD ED	20:38:22	062,40	-088kPa
	20:34:48	062,40	001kPa
HUMIDI	20:28:20	062,50	-093kPa
PRETT	20:24:48	062,60	002kPa
PREHEAT	19:56:09	062,90	000kPa
STATE	TIME	TEMP	PRE
RUN COUNT : 2841			
EO PRE :050kPa VENT TIME:04H 00M			
STERI TEMP: 062,00 STERI TIME:07H 00M			
PRO TYP 19:56:09 062,90 000kPa			
START TIME: 2020-02-24 19:56:01			

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Page : 3 / 4

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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-TBL-1.6-16.0-5	STERILE TITANIUM BARBELL FOR TDI			200	
TDI-Z-TCB-1.6-10.0-4	STERILE TITANIUM 90 DEGREE STAPLE BARBELL FOR TDI			100	
Z-SES1-2.5-CR	SURGICAL STEEL ROUND PRONG SET JEWELLED EAR STUDS PAIR			75	
Z-SES1-3-CR	SURGICAL STEEL ROUND PRONG SET JEWELLED EAR STUDS PAIR			75	
Z-SES1-4-CR	SURGICAL STEEL ROUND PRONG SET JEWELLED EAR STUDS PAIR			75	
Z-XBL-3-1.6-14.0-4-CL	STERILE BIOFLEX BARBELL WITH TITANIUM BALLS			150	
Z-XBL-3-1.6-16.0-4-CL	STERILE BIOFLEX BARBELL WITH TITANIUM BALLS			150	
Z-XBL-3-1.6-18.0-4-CL	STERILE BIOFLEX BARBELL WITH TITANIUM BALLS			150	
Z-XBN-3-1.6-14.0-4-CL	STERILE BIOFLEX CURVED BARBELL WITH TITANIUM BALLS			150	
Z-XBN-3-1.6-16.0-4-CL	STERILE BIOFLEX CURVED BARBELL WITH TITANIUM BALLS			200	
Z-XMBN-3-1.2-10.0-3-CL	STERILE BIOFLEX MICRO CURVED BARBELL WITH TITANIUM BALLS			150	
Z-XMLB-3-1.2-12.0-3-CL	STERILE BIOFLEX MICRO LABRET WITH TITANIUM BALL			100	
Z-TMBL-1.2-8.0-3-HP	STERILE TITANIUM MICRO BARBELL			300	
Z-TMBN-1.2-8.0-3-HP	STERILE TITANIUM CURVED MICRO BARBELL			100	
Z-TNO-0.8-6.5-2	STERILE TITANIUM CURVED BALL NOSE STUD			115	
Z-UPLST-10.0-15.0	STERILE POLYMER PIERCING CORK STOPPER			50	
Z-LJNO-1.0-6.5-1.8-CR	STERILE SURGICAL STEEL LARGE CURVE JEWELLED NOSE STUD		LOT-0183	80	24 Feb 20
Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			55	
Z-INMLBJ-1.2-8.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWELLED MICRO LABRET			100	
Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			150	
Z-BL-1.6-20.0-5	STERILE SURGICAL STEEL BARBELL			112	
Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL			300	
Z-XBNNJ-1-1.6-12.0-5/8-CL-AB	BIOFLEX JEWELLED NAVEL BANANA WITH SURGICAL STEEL BALL			24	
Z-XBNNJ-1-1.6-12.0-5/8-CL-AM	BIOFLEX JEWELLED NAVEL BANANA WITH SURGICAL STEEL BALL			24	
Z-XBNNJ-1-1.6-12.0-5/8-CL-BZ	BIOFLEX JEWELLED NAVEL BANANA WITH SURGICAL STEEL BALL			24	
Z-GSNEEDLES-0.8-48.0	STERILIZED STAINLESS STEEL NEEDLE			120	
QL-Z-GSCNEEDLES-1.2-48.0	STERILE CURVED STAINLESS STEEL NEEDLE FOR QUILLIAN NO CARD			200	
Z-MLBJ-1.2-8.0-3-CR	STERILE SURGICAL STEEL JEWELLED MICRO LABRET			100	
Z-GSNEEDLES-2.5-48.0	STERILIZED STAINLESS STEEL NEEDLE			100	
Z-DAHM-4.0	ERILE TWEEZERS FOR DERMAL ANCHOR OR SKIN DIVER			10	
Z-TJNO-1.0-6.5-2.35-HP-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD			50	
Z-TJNO-1.0-6.5-2.35-HP-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD			50	
Z-TJNO-1.0-6.5-2.35-HP-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD			242	
Z-BC-1.0-10.0-3	STERILE SURGICAL STEEL BCR			200	
Z-TJNO-1.0-6.5-2.35-HP-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD			50	
Z-INMLBJ-1.2-8.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED JEWELLED MICRO LABRET			50	

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Page : 4 / 4

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Z-MCB-1.2-10.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL			100	
Z-PRTA-8.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE 8.0MM			700	
Z-GSNEEDLES-1.2-48.0	STERILIZED STAINLESS STEEL NEEDLE		LOT-0183	7200	24 Feb 20
Z-GSNEEDLES-1.2-48.0	STERILIZED STAINLESS STEEL NEEDLE			390	

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