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TEST REPORT

CUSTOMER : Salamander Jewelry Co.,ltd.

M/C : SHINVA

Document No. : TR-EO-002260620

MODEL : XG 1 SERIES

Date : 26/6/2020

SERIAL No. : 070997

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PRODUCT : ORDER NO. 2306027

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 ODMIN TOTAL :11H 48MIN			
PRETT :00H 47MIN STERI :07H ODMIN			
ACTUAL TIME			
08:16:11 STEILIZATION SUCCESS			
END	08:16:00	060,8C	-001kPa
	08:16:00	060,8C	-001kPa
	04:16:52	060,8C	-015kPa
	04:16:30	060,8C	002kPa
EXHAUST	04:15:00	060,8C	009kPa
	04:06:30	060,8C	009kPa
	03:56:30	060,8C	009kPa
	03:46:30	060,7C	009kPa
	03:36:30	060,7C	009kPa
	03:26:30	060,7C	009kPa
	03:16:30	060,6C	009kPa
	03:06:30	060,6C	009kPa
	02:56:30	060,6C	009kPa
	02:46:30	060,5C	009kPa
	02:36:30	060,4C	009kPa
	02:26:30	060,5C	009kPa
	02:16:30	060,4C	009kPa
	02:06:30	060,3C	009kPa
	01:56:30	060,3C	009kPa
	01:46:30	060,2C	009kPa
	01:36:30	060,1C	009kPa
	01:26:30	060,1C	009kPa
	01:16:30	060,0C	009kPa
	01:06:30	059,8C	009kPa
	00:56:30	059,8C	009kPa
	00:46:30	059,7C	009kPa
	00:36:29	059,6C	009kPa
	00:26:30	059,5C	009kPa

	00:16:30	059,4C	009kPa
	00:06:29	059,3C	009kPa
	23:56:29	059,3C	009kPa
	23:46:29	059,3C	009kPa
	23:36:29	059,3C	009kPa
	23:26:29	059,3C	009kPa
	23:16:29	059,3C	009kPa
	23:06:29	059,3C	009kPa
	22:56:29	059,2C	009kPa
	22:46:29	059,2C	009kPa
	22:36:29	059,2C	009kPa
	22:26:29	059,2C	009kPa
	22:16:29	059,2C	010kPa
	22:06:29	059,1C	010kPa
	21:56:29	059,0C	010kPa
	21:46:29	058,9C	010kPa
	21:36:29	058,9C	061kPa
	21:26:29	058,9C	140kPa
	21:16:29	058,7C	213kPa
STERI	21:15:10	058,7C	201kPa
ADD ED	21:09:56	058,9C	-086kPa
	21:06:29	058,9C	001kPa
HUMIDI	20:59:53	058,8C	-084kPa
PRETT	20:56:29	058,7C	002kPa
PRHEAT	20:27:49	058,2C	001kPa
STATE	TIME	TEMP	PRE

RUN COUNT : 0034			
ED PRE	:060kPa	VENT TIME:	04H ODM
STERI TEMP:	055,0C	STERI TIME:	07H ODM
PRO TYP	20:27:49	058,2C	001kPa
START TIME: 2020-06-25 20:27:41			

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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-PRTA-8.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE FOR PTIT ROC			230	
PT-Z-TBCH-1.2-10.0-4	STERILE TITANIUM BALL CLOSURE RING WITH HEMATITE BALL FOR PTIT ROC			110	
PT-Z-TBCH-1.2-8.0-4	STERILE TITANIUM BALL CLOSURE RING WITH HEMATITE BALL FOR PTIT ROC			110	
PT-Z-TBL-1.6-16.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			55	
PT-Z-TBL-1.6-18.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			70	
PT-Z-TBL-1.6-20.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			146	
PT-Z-TBNDJ-1.6-10.0-5/8-CR	STERILE TITANIUM DOUBLE JEWELLED NAVEL BANANA FOR PTIT ROC			108	
PT-Z-TBNDJ-1.6-12.0-5/8-CR	STERILE TITANIUM DOUBLE JEWELLED NAVEL BANANA FOR PTIT ROC			112	
PT-Z-TBNJ-1.6-12.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR PTIT ROC			118	
PT-Z-TCB-1.6-8.0-4	STERILE TITANIUM 90 DEGREE STAPLE BARBELL FOR PTIT ROC			25	
PT-Z-TJNO-0.8-6.5-2.35-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD FOR PTIT ROC			236	
PT-Z-TMBL-1.2-10.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			130	
PT-Z-TMBL-1.2-8.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			333	
PT-Z-TMBN-1.2-10.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR PTIT ROC			229	
PT-Z-TMBN-1.2-8.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR PTIT ROC			111	
PT-Z-TMLB-1.2-10.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			292	
PT-Z-TMLB-1.2-8.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC		LOT-0191	473	25 Jun 20
PT-Z-TMLB-1.2-9.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			250	
PT-Z-TMLBJ-1.2-10.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			271	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			373	
PT-Z-INP-1.2-50.0	STERILE SURGICAL STEEL INTERNALLY THREADED INSERTION PINS FOR PTIT ROC			64	
PT-Z-PRTA-8.0-70.0	STERILE DISPOSABLE MULTI ANGLED RECEIVING TUBE FOR PTIT ROC			141	
PT-Z-TBL-1.6-14.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			109	
PT-Z-TBL-1.6-20.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			121	
PT-Z-TBL-1.6-22.0-5	STERILIZED TITANIUM BARBELL FOR PTIT ROC			185	
PT-Z-TBNJ-1.6-10.0-5/8-CR	STERILE TITANIUM JEWELLED NAVEL BANANA FOR PTIT ROC			52	
PT-Z-TJNO-0.8-6.5-2.35-CR	STERILE TITANIUM JEWELLED CURVED NOSE STUD FOR PTIT ROC			418	
PT-Z-TMBL-1.2-8.0-3-HP	STERILE TITANIUM MICRO BARBELL FOR PTIT ROC			115	
PT-Z-TMBN-1.2-10.0-3	STERILE TITANIUM MICRO CURVED BARBELL FOR PTIT ROC			133	
PT-Z-TMCB-1.2-10.0-3	STERILE TITANIUM MICRO CIRCULAR BARBELL FOR PTIT ROC			172	
PT-Z-TMLB-1.2-10.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			481	
PT-Z-TMLB-1.2-8.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			703	
PT-Z-TMLB-1.2-9.0-3	STERILE TITANIUM MICRO LABRET FOR PTIT ROC			208	
PT-Z-TMLBJ-1.2-10.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			106	
PT-Z-TMLBJ-1.2-8.0-2.5-CR	STERILE TITANIUM MICRO LABRET WITH JEWELLED BALL FOR PTIT ROC			240	
PT-Z-XBL-1-1.6-40.0-5-CL	STERILE BIOFLEX BARBELL WITH STEEL BALLS FOR PTIT ROC			54	

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PT-Z-XBNNJ-1.6-10.0-5/8-CR	STERILE BIOFLEX JEWELED NAVEL BANANA WITH SURGICAL STEEL BALL FOR PTIT ROC			53	
QL-Z-ZGMBN-1.2-6.0-3	STERILE ZIRCON GOLD PVD SURGICAL STEEL MICRO CURVED BARBELL FOR QUILLIAN NO CARD			30	
PT-Z-GPINMLBJ-1.2-8.0-3-CR	STERILE GOLD PVD COATED SURGICAL STEEL INTERNALLY THREADED SWAROVSKI CRYSTAL JEWELED MICRO LABRET FOR PTIT ROC			50	
PT-Z-GPMBL-1.2-8.0-3	STERILE GOLD PVD COATED SURGICAL STEEL MICRO BARBELL FOR PTIT ROC			50	
PT-Z-GPMBN-1.2-8.0-3	STERILE GOLD PVD COATED SURGICAL STEEL CURVED MICRO BARBELL FOR PTIT ROC			50	
QL-Z-BL-1.6-12.0-4	STERILE SURGICAL STEEL BARBELL FOR QUILLIAN			50	
QL-Z-FBC-1.0-9.0-3	STERILE SURGICAL STEEL FIXED BEAD RING FOR QUILLIAN NO CARD			100	
QL-Z-JMB-1.2-2.5-CR	STERILE SURGICAL STEEL SWAROVSKI CRYSTAL JEWELED MICRO BALL FOR QUILLIAN NO CARD			100	
QL-Z-JMB-1.2-3-CR	STERILE SURGICAL STEEL SWAROVSKI CRYSTAL JEWELED MICRO BALL FOR QUILLIAN NO CARD			100	
QL-Z-MBL-1.2-8.0-2.5	STERILE SURGICAL STEEL MICRO BARBELL FOR QUILLIAN			100	
QL-Z-MBL-1.2-8.0-3	STERILE SURGICAL STEEL MICRO BARBELL FOR QUILLIAN			100	
QL-Z-MCB-1.2-8.0-3	STERILE SURGICAL STEEL MICRO CIRCULAR BARBELL FOR QUILLIAN NO CARD			100	
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-UPLST-10.0-15.0	STERILE POLYMER STOPPER FOR PIERCING FOR QUILLIAN NO CARD		LOT-0191	300	25 Jun 20
Z-INMLBSJ1-1.2-10.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED ROUND PRONG SET JEWELED MICRO LABRET			10	
Z-INMLBSJ1-1.2-8.0-2-CR	STERILE SURGICAL STEEL INTERNALLY THREADED ROUND PRONG SET JEWELED MICRO LABRET			10	
Z-SES1-3-CR	SURGICAL STEEL ROUND PRONG SET JEWELED EAR STUDS PAIR			10	
Z-SES1-4-CR	SURGICAL STEEL ROUND PRONG SET JEWELED EAR STUDS PAIR			10	
Z-FBC-1.0-10.0-3	STERILE SURGICAL STEEL FIXED BEAD RING			40	
Z-FBC-1.0-8.0-3	STERILE SURGICAL STEEL FIXED BEAD RING			20	
Z-FBC-1.2-10.0-3	STERILE SURGICAL STEEL FIXED BEAD RING			20	
Z-TMLBJ-OP-1.2-10.0-3-HP-CR	STERILE TITANIUM MICRO LABRET WITH JEWELED BALL			10	
Z-XMCB-1.1-2.10.0-3-CL	STERILE BIOFLEX MICRO CIRCULAR BARBELL WITH STEEL BALLS			10	
TDI-Z-TCOBC-1.0-8.0	STERILE TITANIUM SEAMLESS RING FOR TDI			50	
TDI-Z-TONR-1.0-9.0-2.5	STERILE TITANIUM OPEN NOSE RING FOR TDI			100	
PT-Z-XMLB-1.1-2.10.0-3/4B-CL	STERILE BIOFLEX MICRO LABRET WITH STEEL BALL FOR PTIT ROC			105	
PT-Z-XMLB-1.1-2.8.0-3/4B-CL	STERILE BIOFLEX MICRO LABRET WITH STEEL BALL FOR PTIT ROC			66	
TDI-Z-HCOBC-1.0-10.0	STERILE SURGICAL STEEL OPEN HEART SEAMLESS RING FOR TDI			50	
TDI-Z-MLB-1.2-6.0-3	STERILIZED SURGICAL STEEL MICRO LABRET FOR TDI			50	
Z-PNV-CRE	STERILE DISPOSAL ROUND CLAMPS			36	
PT-Z-TBN-1.6-12.0-4	STERILE TITANIUM TITANIUM CURVED BARBELL FOR PTIT ROC			25	
Z-MLBJ-1.2-8.0-3-CR	STERILE SURGICAL STEEL JEWELED MICRO LABRET			20	
Z-LB-1.6-12.0-4	STERILE SURGICAL STEEL LABRET			20	
Z-PNV-CRE	STERILE DISPOSAL ROUND CLAMPS			850	

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