



Regulatory & Quality Dossier

The enclosed clearances and certificates are **FDA 510(k)-cleared** • ISO 13485:2016 • EU-MDR. Each is held by the device manufacturer; SEVA Devices™ is an authorized distributor.

PREPARED FOR

DATE

SEVA CONTACT

About this packet

This packet collects the regulatory and quality documentation that supports the SEVA Devices™ contrast-injector disposables under review. Each enclosure is introduced by a SEVA divider and is then reproduced in full and unaltered.

SEVA Devices™ supplies OEM-grade, FDA 510(k)-cleared disposables for the CT, MR, and angiographic power injectors your facility already operates. The clearances and certificates that follow are held by the device manufacturer; SEVA Devices™ distributes these devices and is not the holder of the underlying clearance or certificate. The originals are reproduced exactly as issued so your committee can verify them at source.

In this packet

- **FDA 510(k) clearance** for the SKUs under review
- **ISO 13485:2016 certificate** with registrar and scope
- **EU-MDR / CE conformity** reference for applicable lines
- **Biocompatibility summary** for patient-contact components

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Enclosed in this packet

Each row corresponds to a divider that follows, with the original document reproduced in full behind it. SEVA completes the reference fields from the documents on file.

#	DOCUMENT	ISSUED BY	REFERENCE
01	FDA 510(k) Clearance	U.S. FDA	K-number: K211564
02	ISO 13485:2016 Certificate	TÜV Rheinland	Cert no.: SX 2158141-1
03	EU-MDR / CE Conformity	TÜV Rheinland (NB 0197)	Ref.: HZ 2158141-1
04	Biocompatibility Summary	SEVA Devices	Per enclosed 510(k) K211564

Documents are held by the device manufacturer. SEVA Devices™ is an authorized distributor and is not the certificate holder.



FDA 510(k) Clearance

Held by	The device manufacturer named on the enclosed document
Issued by	U.S. Food & Drug Administration
510(k) number	K211564
Product code / regulation	DXT • 21 CFR 870.1650 • Class II
Clearance date	October 19, 2021

The original document follows this divider, reproduced in full and unaltered. SEVA Devices™ is an authorized distributor of these devices and is not the holder of this clearance or certificate. Cleared as substantially equivalent to predicate K192657; device-family lineage K151960 → K192657 → K211564.



October 19, 2021

Shenzhen Boon Medical Supply Co., Ltd
Baihan Feng
Regulatory Affair Manager
No.18 Jirong Road, Shengkeng, Henggang Street, Longgang
District
Shenzhen, Guangdong 518173
China

Re: K211564

Trade/Device Name: Sterile High-pressure Angiographic Syringes for Single-use
Regulation Number: 21 CFR 870.1650
Regulation Name: Angiographic injector and syringe
Regulatory Class: Class II
Product Code: DXT
Dated: August 13, 2021
Received: August 23, 2021

Dear Baihan Feng:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. Although this letter refers to your product as a device, please be aware that some cleared products may instead be combination products. The 510(k) Premarket Notification Database located at <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm> identifies combination product submissions. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal

statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803) for devices or postmarketing safety reporting (21 CFR 4, Subpart B) for combination products (see <https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products>); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820) for devices or current good manufacturing practices (21 CFR 4, Subpart A) for combination products; and, if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to <https://www.fda.gov/medical-devices/medical-device-safety/medical-device-reporting-mdr-how-report-medical-device-problems>.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (<https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance>) and CDRH Learn (<https://www.fda.gov/training-and-continuing-education/cdrh-learn>). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (<https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice>) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

For CAPT Alan Stevens
Assistant Director
DHT3C: Division of Drug Delivery and
General Hospital Devices,
and Human Factors
OHT3: Office of GastroRenal, ObGyn,
General Hospital and Urology Devices
Office of Product Evaluation and Quality
Center for Devices and Radiological Health

Enclosure

Indications for Use

510(k) Number (if known)
K211564

Device Name
Sterile High-pressure Angiographic Syringes for Single-use

Indications for Use (Describe)

Sterile High-pressure Angiographic Syringes for Single-use are intended for the injection of contrast media or saline; they shall be used with US legally marketed angiographic injectors.

Type of Use (Select one or both, as applicable)

☒ Prescription Use (Part 21 CFR 801 Subpart D) ☐ Over-The-Counter Use (21 CFR 801 Subpart C)

CONTINUE ON A SEPARATE PAGE IF NEEDED.

This section applies only to requirements of the Paperwork Reduction Act of 1995.

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K211564 510(k) Summary

This 510(k) Summary is being submitted in accordance with requirements of Title 21, CFR

1. Date of Preparation: 10/19/2021

2. Sponsor Identification

Shenzhen Boon Medical Supply Co., Ltd.

No.18 Jirong Road, Shengkeng, Henggang Street, Longgang District, Shenzhen, 518173, China

Establishment Registration Number: 3012395857

Contact Person: Baihan Feng

Position: Regulatory Affair

Manager

Tel: +86-755-28638515

Fax: +86-755-28638033

Email: faguibu-feng@szboon.com

3. Identification of Subject Device

Trade Name: Sterile High-pressure Angiographic Syringes for Single-use;

Common Name: Disposable angiographic syringe

Product Name	Models
Syringe	100101, 100103, 100113, 200101, 200102, 300101, 300105, 100104, 100114, 200103, 300103, 100111, 100121, 100124, 200104, 100108, 100118, 100129, 100130, 100109, 100119, 200107, 300102, 300108, 300110, 300111, 300112
Connection Tube	400101, 400102, 400103, 600101, 600102, 500105, 500106, 500107, 500108, 400201, 400202, 400203, 600201, 600202, 500101, 500102, 500103, 500104, 500201, 500202, 500203, 500204, 500205, 500206, 500207, 500208
J shape tube	700103
Spike	700101, 700102, 700104-1, 700104-2, 700105-1, 700105-2, 700106, 700107-1, 700107-2

Regulatory Information

Classification Name: Angiographic injector and syringe

Classification: II

Product Code: DXT;

Regulation Number: 21 CFR

870.1650; Review Panel:

Cardiovascular;

Indications for Use:

Sterile High-pressure Angiographic Syringes for Single-use are intended for the injection of contrast media or saline; they shall be used with US legally marketed angiographic injectors.

Device Description:

The subject devices are identical to all models of predicate devices of K192657. It includes disposable syringes, connection tube, J shape tube and spike. Labeling of subject device now includes pediatrics in the patient population.

- Syringe: the syringe is intended to be used with an U.S. legally marketed angiography injector. Compatibility is shown in Table 1.

Table 1 Compatibility between Syringe and Injectors

Model (Syringe)	Volume (ml)	Type	Resistant liquid leak pressure (psi)	Injector
100101	200ml	Single Shot	400	MCT & MCT plus CT, K924116 Vistron CT, K991557 EnVision CT, K934086
100103	200ml	Single Shot	400	Stellant-S K182273
100113	200/200ml	Dual Shots	400	Stellant-D, K182273
200101	65/65ml	Dual Shots	300	Spectris, K935668
200102	65/115ml	Dual Shots	300	Solaris MRI, K033247
300101	150ml	Single Shot	1200	Mark V, K822536
300105	130ml	Single Shot	1200	Mark III & Mark IV, K822536
100104	200ml	Single Shot	400	CT 9000 & CT9000 ADV, K912944
100114	200/200ml	Dual Shots	400	CT 9000 & CT9000 ADV, K912944
200103	60/60ml	Dual Shots	300	Optistar LE, Elite, K073592
300103	150ml	Single Shot	1200	ILLUMENA, K963071
100111	200ml	Single Shot	400	Empower CT, K071378
100121	200/200ml	Dual Shots	400	Empower CT, K071378

100124	60/100ml	Dual Shots	400	Dual Shot, K052633
200104	60/60ml	Dual Shots	300	Sonic Shot, K091734
100108	200ml	Single Shot	400	Dual shot CT, K062168
100118	200/200ml	Dual Shots	400	Dual shot CT, K133189
100129	125ml	Single Shot	400	CT Optione, K152361
100130	125/125ml	Dual Shots	400	CT Optione, K152361
100109	100ml	Single Shot	400	Dual shot, K062168
100119	100/100ml	Dual Shots	400	Duat shot, K062168
200107	100/100ml	Dual Shots	300	EZEM Empower, K062449
300102	125ml	Single Shot	1200	120S, K092896
300108	150ml	Single Shot	1200	Mark VII , K112086
300110	150ml	Single Shot	1200	Rempress, K092896
300111	150ml	Single Shot	1200	Angiomat 6000, K944875
300112	200ml	Single Shot	1200	Illumena K963071

- Connection tube: used to connect the syringe and the catheter. The tubes are also available in various configurations, which are straight tube (used with single shot syringe), type Y and type T tube (used with dual shot syringe). The pressure specification for connection tube is provided in *Table 2 Pressure Specifications for Connection Tube*.

Table 2 Pressure Specifications for Connection Tube

Model	Maximum Withstanding Pressure (psi)	Type
400101	400	Straight
400102	400	Type Y
400103	400	Type T
600101	400	Type T
600102	400	Type Y
500105	1200	Straight
500106	1200	Straight
500107	1200	Straight
500108	1200	Straight
400201	400	Straight
400202	400	Type Y
400203	400	Type T
600201	400	Type T
600202	400	Type Y
500101	1200	Straight
500102	1200	Straight
500103	1200	Straight
500104	1200	Straight
500201	1200	Straight

500202	1200	Straight
500203	1200	Straight
500204	1200	Straight
500205	1200	Straight
500206	1200	Straight
500207	1200	Straight
500208	1200	Straight

- J shape tube: used to draw contrast media/saline into the syringe barrel before the syringe installed.
- Spike: used to draw contrast media/saline into the syringe barrel before the syringe installed. The pressure specification for spike is provided in *Table 3 Pressure Specifications for Spike*

Table 3 Pressure Specifications for Spike

Model	Maximum Withstanding Pressure (psi)	Type
700101	/	Long spike
700102	/	Short spike
700104-1	400 psi	Single Air Chamber Transfer Set
700104-2	400 psi	Single Air Chamber Transfer Set with Extension Tube
700105-1	400 psi	Dual Air Chamber Transfer Set
700105-2	400 psi	Dual Air Chamber Transfer Set with extension tube
700106	/	Transfer Set With C-Clamp
700107-1	/	Transfer set with Clave connector
700107-2	/	Clave connector Transfer set with Check valve

4. Identification of Predicate

Device 510k Number: K192657

Product Name: Sterile High-pressure Angiographic Syringes for Single-use;

Manufacturer: Shenzhen Boon Medical Supply Co., Ltd.

5. Non-Clinical Test Conclusion

The non-clinical tests for the predicate device in K192657 are applicable for proposed device.

The test results demonstrated that the proposed device complies with the following standards:

- ISO 10993-7:2008 (AMD1:2019) Biological evaluation of medical devices-Part 7: Ethylene oxide sterilization residuals;
- ASTM F88/F88M-15 Standard test method for seal strength of flexible barrier materials;
- ASTM F1929-15 Standard Test Method for Detecting Seal Leaks in Porous Medical Package by Dye Penetration;
- USP 41-NF36 2018 <85> Bacterial Endotoxins Limit;
- ISO 7886-1:2017 Sterile hypodermic syringes for single use-Part 1: Syringes for manual use;
- ISO 7886-2:1996 Sterile hypodermic syringes for single use --Part 2: Syringes for use with power-driven syringe pumps;
- ISO594-1:1986 Conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment –Part 1: General Requirements;
- ISO594-2:1998 Conical fittings with a 6% (Luer) taper for syringes, needles and certain other medical equipment –Part 2: Lock Fitting;
- ISO 10993-5:2009 Biological evaluation of medical devices --Part 5: Tests for In Vitro cytotoxicity;
- ISO 10993-10:2010 Biological evaluation of medical devices -Part 10: Tests for irritation and skin sensitization;
- ISO 10993-4:2017, Biological Evaluation of Medical Device –Part 4: Selection of tests for interactions with blood.
- ASTM F756:2017, Standard Practice for Assessment of Hemolytic Properties of Materials
- USP 41 NF 36<151> Pyrogen Test
- ISO 11135:2014, Sterilization of health-care Products-Ethylene Oxide-Requirements for the development, validation and routine control of a sterilization process for medical devices
- USP <788> Particular Matter in Injections
- Compatibility Test Report between injectors, syringe, connection tube and spike/J shape tube. The compatibility test demonstrated that each device meet performance under maximum sustained pressure specification.

6. Clinical Test Conclusion

No clinical study is included in this submission.

7. Substantial Equivalence Comparison

Item	Subject Device	Predicate Device K192657
Product Code	DXT	DXT
Regulation Number	CFR 870.1650	CFR 870.1650
Indications for Use	Sterile High-pressure Angiographic Syringes for	Sterile High-pressure Angiographic Syringes for

		Single-use are intended for the injection of Contrast media or saline; they shall be used with an US legally marketed angiographic injectors.	Single-use are intended for the injection of Contrast media or saline; they shall be used with an US legally marketed angiographic injectors.
Mode of operation		Power-driven operation, single use	Power-driven operation, single use
Configuration		Angiographic Syringe	Angiographic Syringe
		Connecting tube	Connecting tube
		J shape tube/Spike	J shape tube/Spike
Sterility		EO Sterilized	EO Sterilized
Single Use		Yes	Yes
Model		Same Models	
Maximum withstanding pressure	Syringe	300psi, 400psi, 1200psi	300psi, 400psi, 1200psi
	Connection tube	300psi, 400psi, 1200psi	300psi, 400psi, 1200psi
	J shape tube	NA	NA
	Spike	400 psi	400 psi
Specification	Syringe (Volume, ml)	200, 150, 125, 130, 100, 200/200, 60/100, 125/125, 100/100, 65/65, 65/115, 60/60, 50/50	200, 150, 125, 130, 100, 200/200, 60/100, 125/125, 100/100, 65/65, 65/115, 60/60, 50/50
	Connection tube (overall Length, mm)	200~2500, 1500~2500, 1500, 1800, 2000, 2500, 500, 750, 1000, 1200	200~2500, 1500~2500, 1500, 1800, 2000, 2500, 500, 750, 1000, 1200
	J shape tube (overall Length, mm)	240	240
	Spike (overall Length, mm)	58.8, 47.3, 1000, 2800, 1200, 2900, 180, 260, 340, 420, 500, 450, 550, 600	58.8, 47.3, 1000, 2800, 1200, 2900, 180, 260, 340, 420, 500, 450, 550, 600
Performance			
Syringe		ISO 7886	ISO 7886
Luer connector		ISO 594-1; ISO 594-2	ISO 594-1; ISO 594-2
Compatibility		Pass	Pass
Patient-Contact Material			
Syringe	Barrel	PP (polypropylene) or PET (Polyethylene terephthalate)	PP (polypropylene) or PET (Polyethylene terephthalate)
	Piston	Polyisoprene rubber	Polyisoprene rubber
	Lubricant	Polydimethylsiloxane	Polydimethylsiloxane
Connection tube	Tubing	PVC (Polyvinylchloride) or PVC (Polyvinylchloride not made with DEHP) or PU	PVC (Polyvinylchloride) or PVC (Polyvinylchloride not made with DEHP) or PU

		(Polyurethane)	(Polyurethane)
	Luer connectors	PC (Polycarbonate)	PC (Polycarbonate)
	UV adhesive	Ultraviolet adhesive	Ultraviolet adhesive
Spike	Closure-piercing device	ABS (acrylonitrile-butadiene-styrene)	ABS (acrylonitrile-butadiene-styrene)
	Filter membrane	PP (polypropylene)	PP (polypropylene)
	Tube	Polyvinyl chloride (PVC)	Polyvinyl chloride (PVC)
	Luer Connector	Polycarbonate (PC)	Polycarbonate (PC)
	Protective cap	Acrylonitrile-butadiene-styrene (ABS)	Acrylonitrile-butadiene-styrene (ABS)
J shape tube	tube	PE (Polyethylene)	PE (Polyethylene)
Biocompatibility		No Cytotoxicity	No Cytotoxicity
		No Irritation	No Irritation
		No Sensitization	No Sensitization
		No Pyrogen	No Pyrogen
		No Acute Toxicity	No Acute Toxicity
		No Hemolysis	No Hemolysis
Endotoxin Limit		20 EU per device	20 EU per device
EO/ECH residue limit		Limited Contact: ≤ 24 h EO: 0.6mg/ day ECH: 1.28mg /day For 10kg patient (Children) as per ISO 10993-7	Limited Contact: ≤ 24 h EO: 4 mg/day ECH: 9 mg/day For 70kg patient (Adult) ISO 10993-7
Population		Not intended for infant or neonatal use	Not intended for pediatric or neonatal use
Shelf life		5 years	5 years

The only difference between the subject and the predicate is that the labeling states “ Not intended for infant or neonatal use” in the subject device, while predicate device states “Not intended for pediatric or neonatal use.” For this modification, EO/ECH residual test has been conducted on the models in this submission and test results have demonstrated EO/ECH residue level meet the residue limit for 10kg children group as per ISO 10993-7. Therefore, this difference will not impact the safety and effectiveness of the device.

8. Substantial Equivalence (SE) Conclusion:

The differences between the predicate and the subject device do not raise any new or different questions of safety or effectiveness. The subject device is Substantially Equivalent (SE) to the predicate device.



ISO 13485:2016 Certificate

Held by	The device manufacturer named on the enclosed document
Registrar	TÜV Rheinland LGA Products GmbH
Certificate number	SX 2158141-1
Certification scope	Design, development, manufacture, and distribution of sterile high-pressure angiographic syringes and pressure connecting tubes, among other single-use devices. Full scope on the enclosed certificate.
Issue / expiry date	Issued November 21, 2023 • Expires November 8, 2026

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Certificate

Quality Management System EN ISO 13485:2016

Registration No.: SX 2158141-1

Certificate Holder: Shenzhen Boon Medical Supply Co., Ltd.
No.18 Jirong Road, Shengkeng,
Henggang Street, Longgang District,
518173 Shenzhen, P.R. China

Scope: Design and Development, Manufacture and Distribution of

- Sterile High-pressure Angiographic Syringes for Single-use
- Sterile High-pressure Angiographic Syringes for Multi-use
- Pressure Connecting Tubes for Single use
- Cervical ripening balloon for single use
- Hemostasis valve set for single use
- Dose-control syringe for single use
- Manifold for single use

Manufacture and Distribution of

- Sterile Syringes with Needle for Single-use
- Sterile Infusion Sets with Needle for Single-use
- Sterile Infusion Connecting Tubes for Single-use
- Sterile Venous Blood Sampling Needles for Single-use
- Sterile Scalp Needles for Single-use
- Sterile Vaginal Dilators for Single-use
- Sterile Balloon Expansion Pressure Syringes for Single-use
- Single-use Containers for Human Venous Blood Specimen Collection
- Single Use Laryngoscope Blades

Provision of Ethylene Oxygen Sterilization Service in accordance with EN ISO 11135:2014

The Certification Body of TÜV Rheinland LGA Products GmbH certifies that the organization has established and applies a quality management system for medical devices.
Proof has been furnished that the requirements specified in the abovementioned standard are fulfilled. The quality management system is subject to yearly surveillance.

Report No.: 10922651-100

Effective date: 2023-11-21

Expiry date: 2026-11-08

Issue date: 2023-11-21

Replaces certificate SX 2158141-1 issued 2023-07-03

This certificate can be validated on <https://www.certipedia.com>



Samuel Qin
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

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EU-MDR / CE Conformity

Held by	The device manufacturer named on the enclosed document
Notified body	TÜV Rheinland LGA Products GmbH • NB 0197
Certificate / doc reference	HZ 2158141-1
Conformity scope	Regulation (EU) 2017/745 (MDR), Annex IX. Class IIa devices: single-use contrast-media injector syringes, multi-use angiographic syringes, and high-pressure extension lines.
Issue / expiry date	Issued May 8, 2025 • Expires July 2, 2028

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EU Certificate

**Quality Management System
REGULATION (EU) 2017/745 on Medical Devices
Annex IX Chapter I, Section 2 and 3 and Chapter III**

Registration No.: HZ 2158141-1

Manufacturer: Shenzhen Boon Medical Supply Co., Ltd.
No.18 Jirong Road, Shengkeng,
Henggang Street, Longgang District,
518173 Shenzhen,
P.R. China

EUDAMED Single
Registration No.: CN-MF-000018400

Products: Products of class IIa:
A0299 - SYRINGES – OTHER
- Sterile High-pressure Angiographic Syringes for Multi-use
A02010401 - SYRINGES FOR CONTRAST MEDIA
INJECTOR, SINGLE-USE
- Single-use Sterile High-pressure Angiographic Syringes and
Accessories
A03020102 - HIGH PRESSURE EXTENSION LINES
- Pressure Connecting Tubes for Single use
- Multi-Use Tubing System Kits

Authorized representative(s): Wellkang Ltd
Enterprise Hub, NW Business Complex, 1 Beraghmore Road,
Derry, BT48 8SE, Northern Ireland, UK.

The Notified Body hereby declares that the requirements of Annex IX, Chapter I, Section 2 and 3 of the REGULATION (EU) 2017/745 have been met for the listed products. The above named manufacturer has established and applies a quality management system, which is subject to periodic surveillance, defined by Annex IX, Chapter I, Section 3 of the aforementioned regulation. The requirements of Annex IX, Chapter III are fulfilled.
If class III devices or class IIb implantable devices referred to in the second subparagraph of Article 52(4) are covered by this certificate an EU technical documentation assessment certificate according to Chapter II, Section 4.9 is required before placing them on the market.

Report No.: 10925252-100

Effective date: 2025-05-08

Expiry date: 2028-07-02

Issue date: 2025-05-08



Herbert Zhong
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

This certificate can be validated on <https://www.certipedia.com>

TÜV Rheinland LGA Products GmbH is a Notified Body according to REGULATION (EU) 2017/745 concerning medical devices with the identification number 0197.

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EU Certificate

Quality Management System
REGULATION (EU) 2017/745 on Medical Devices
Annex IX Chapter I, Section 2 and 3 and Chapter III

Registration No.: HZ 2158141-1
Manufacturer: Shenzhen Boon Medical Supply Co., Ltd.
No.18 Jirong Road, Shengkeng,
Henggang Street, Longgang District,
518173 Shenzhen,
P.R. China
EUDAMED Single Registration No.: CN-MF-000018400

Certificate history		
Revision:	Description:	Issue date:
0	Initial certification	2023-07-03
1	Scope Extension	2023-12-08
2	Scope Extension	2025-05-08

Report No.: 10922711-100
Effective date: 2025-05-08
Expiry date: 2028-07-02
Issue date: 2025-05-08

This certificate can be validated on <https://www.certipedia.com>

Herbert Zhong
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

TÜV Rheinland LGA Products GmbH is a Notified Body according to REGULATION (EU) 2017/745 concerning medical devices with the identification number 0197.



Biocompatibility Summary

Summarized from the FDA-cleared 510(k) submission for K211564, enclosed in this packet. The patient-contact devices are ethylene-oxide sterilized and were evaluated to the recognized standards below; every biological endpoint was met.

BIOLOGICAL EVALUATION — ISO 10993 SERIES

ENDPOINT	STANDARD	RESULT
Cytotoxicity	ISO 10993-5	No cytotoxicity
Irritation & sensitization	ISO 10993-10	No irritation, no sensitization
Hemocompatibility	ISO 10993-4 • ASTM F756	No hemolysis
Acute systemic toxicity	ISO 10993 series	No acute toxicity
Pyrogenicity	USP <151>	Non-pyrogenic
Bacterial endotoxins	USP <85>	≤ 20 EU per device

STERILIZATION & SHELF LIFE

- Ethylene-oxide sterilization validated to ISO 11135:2014
- EO and ECH residuals within ISO 10993-7 limits, including the 10 kg pediatric limit
- Labeled shelf life: 5 years

PATIENT-CONTACT MATERIALS

- Syringe barrel: polypropylene or PET • piston: polyisoprene rubber • lubricant: polydimethylsiloxane
- Connection tubing: PVC, DEHP-free PVC, or polyurethane • luer connectors: polycarbonate
- Spike / transfer set: ABS, PP filter membrane, PVC tubing, PC luer • J-tube: polyethylene

This summary is drawn from the enclosed FDA 510(k) submission for K211564. Full biocompatibility test reports are held by the device manufacturer and available on request. SEVA Devices™ is an authorized distributor of these devices and did not perform this testing.