



PHARMACEUTICAL
GLASS
PACKAGING
SOLUTIONS



OUR MISSION

Improve and protect patient's health by providing high quality, reliable, and innovative primary glass packaging to our pharmaceutical customers.







A UNIQUE KNOW-HOW



SGD Pharma has unique know-how and offers innovative premium quality primary packaging compliant with international Pharmacopoeias.

From design to manufacturing, our teams will support you in the development and implementation of your project.

SGD Pharma's corporate quality policy is applied in all of its manufacturing facilities and is compliant with pharmaceutical Good Manufacturing Practices (GMPs). Recognizing that the patient is the end user of its products, SGD Pharma implements the strictest quality standards.

All of our manufacturing sites are fully dedicated to pharmacy and are according to ISO 15378 standards. Each of our vials is inspected and packed in an ISO 8 (class 100,000) clean room.

In the pharmaceutical industry more than anywhere else, security of the supply chain is critical. We protect our clients and their patients by making every effort to ensure a continuous supply of glass. SGD Pharma provides back-up solutions from its different manufacturing sites for all types of glass.

Our global footprint and vast distribution network allow us to serve you wherever you are in the world.

SUMMARY

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INJECTABLE VIALS IN MOLDED GLASS

Injectable vials

ISO injectable vials

Clareo

EasyLyo

Sterinity

Indian market

US market



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INJECTABLE VIALS IN TUBULAR GLASS AND AMPOULES

ISO injectable vials

Ampoules



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INFUSION BOTTLES

- Infusion bottles
- ISO infusion bottles
- Lightweight infusion bottles
- Screw neck infusion bottles
- Scandinavian market
- Italian market
- Indian market
- US market
- Chinese market



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DIAGNOSTIC BOTTLES



P.76

NASAL

- Nasal PH 18 & FEA 20
- U-Save bottles
- U-Save bottles (US market)



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ORAL

SYRUP BOTTLES

- Alpha bottles
- Round syrup bottles
- Specific syrup bottles
- Pluma (Brazilian market)

BOTTLES FOR ANTIBIOTICS WITH FILLING MARK

DROPPER BOTTLES

- Dropper bottles
- Child Resistance Closures
- Ensiemo

TABLET BOTTLES

SINGLE DOSE BOTTLE

AEROSOL BOTTLES

P.104

- Quality policy
- EHS policy
- Glossary

MEASUREMENT CONVERSION TABLE

1 inch = 25.4 mm	1 mm = 0.03937 inch
1 fl oz = 29.57 ml	1 ml = 0.0338 fl oz
1 oz = 28.349 g	1 g = 0.03527 oz

MARKET APPLICATIONS



ANESTHETIC

P.34 Injectable - Molded
P.50 Injectable - Tubular
P.56 Infusion
P.102 Oral - Aerosol bottles



ANIMAL HEALTH

P.34 Injectable - Molded
P.50 Injectable - Tubular
P.56 Infusion



ANTIBIOTICS

P.34 Injectable - Molded
P.50 Injectable - Tubular
P.56 Infusion
P.91 Oral - Bottles with filling mark



AROMATHERAPY

P.92 Oral - Dropper bottles



BLOOD & BLOOD COMPONENTS

P.34 Injectable - Molded
P.56 Infusion



CARDIOVASCULAR SYSTEM

P.34 Injectable - Molded
P.50 Injectable - Tubular



DIAGNOSTIC (Incl. Constat media)

P.34 Injectable - Molded
P.50 Injectable - Tubular
P.56 Infusion



FOOD SUPPLEMENT

P.84 Oral - Alpha bottles
P.88 Oral - Round bottles
P.92 Oral - Dropper bottles
P.98 Oral - Tablet bottles



LIFE SCIENCE

P.56 Infusion
P.84 Oral - Alpha bottles
P.98 Oral - Tablet bottles



MENTAL DISORDERS

P.34 Injectable - Molded
P.50 Injectable - Tubular
P.84 Oral - Alpha bottles
P.92 Oral - Dropper bottles



ONCOLOGY

P.34 Injectable - Molded
P.50 Injectable - Tubular
P.56 Infusion
P.76 Nasal



PAIN RELIEF

P.34 Injectable - Molded
P.50 Injectable - Tubular
P.56 Infusion
P.84 Oral - Alpha bottles
P.88 Oral - Round bottles
P.91 Oral - Bottles with filling mark
P.92 Oral - Dropper bottles
P.98 Oral - Tablet bottles



PARENTERAL NUTRITION

P.34 Injectable - Molded
P.50 Injectable - Ampoules
P.56 Infusion



PHYTOTHERAPY

P.84 Oral - Alpha bottles
P.88 Oral - Round bottles
P.92 Oral - Dropper bottles
P.98 Oral - Tablet bottles



RESPIRATORY

P.34 Injectable - Molded
P.50 Injectable - Tubular
P.76 Nasal
P.84 Oral - Alpha bottles
P.88 Oral - Round bottles
P.91 Oral - Bottles with filling mark
P.92 Oral - Dropper bottles
P.98 Oral - Tablet bottles
P.102 Oral - Aerosol bottles



A referenced material for pharmaceuticals

As a material with a thousand-year history, and excellent barrier and transparency properties, glass is the standard material for pharmaceutical products. As primary packaging for drugs, glass, more than any other material, adapts to the requirements of the pharmaceutical industry: washing, depyrogenation and sterilization.

Glass provides optimal protection for sensitive molecules; its barrier properties against oxygen and moisture provide enhanced stability for medications.

SGD PHARMA PRODUCES ALL TYPES OF MOLDED GLASS VIALS, TUBULAR GLASS VIALS AND AMPOULES.

	TYPE III MOLDED	TYPE II MOLDED	TYPE I MOLDED	TYPE I TUBULAR
Clear and amber glass	Soda-lime glass	Soda-lime with an improved hydrolytic surface resistance	Neutral borosilicate glass with high hydrolytic resistance	
Our uniqueness	Our furnaces are fully dedicated to pharmaceutical glass. No recycled glass is used	We are experts in inner surface treatments that can be achieved in 3 of our facilities dedicated to pharmaceutical glass	Our know-how in Type I molded glass allows us to respond to some of the market's most complex requirements. Two of our sites, at the forefront of the technology, are dedicated to the production of Type I glass	5.0 expansion family of tubular glass provided by internationally renowned manufacturers







SGD PHARMA WORKS TO SOLVE
TOMORROW'S CHALLENGES
TODAY.





INNOVATION



Our Innovation approach

One of the keys to SGD Pharma's leadership position in the glass industry has always been its drive to continually innovate. Working closely with customers and researching the latest technologies, SGD Pharma seeks specific challenges to address through the research or application of new technology solutions.

In essence, SGD Pharma connects products, processes and services to provide a unique and integrated packaging solution to meet ever-changing customer needs. SGD Pharma works closely with customers to solve their packaging challenges. We also focus on developing new innovations for the overall glass market.

SGD Pharma watches the glass market and its trends, to anticipate new needs and find solutions to address them. Our innovation is brought to life by our cross-functional teams, including R&D, Sales, Marketing, quality, regulatory, environment, health and safety, and operations, working together.

We ensure new innovations area both technically viable and meet the exceptional quality and regulatory requirements our customer demand.

A clear process



RESEARCH & DEVELOPMENT

The SGD Pharma R&D department follows a 360° approach to improve the filling and handling of vials and ampoules, to improve your drug compatibility with our products, as well as to further reduce non-conformities and the associated risk of recalls.

This approach covers the entire product lifecycle in order to provide sustainable and long-term advances to both SGD Pharma and its customers (Pharmaceutical and Biotechnology companies):

- Raw material
- Product design
- Process
- Quality control
- Use of products by customers
- Drug delivery to patient

SGD Pharma has a proven track record of innovative product and service launches including Sterinity, Clareo and Easylyo.







SPECIAL NEEDS



New designs and security for final users

Applying its expertise, SGD Pharma is striving to develop, in partnership with its clients, innovative designs in all types of glass and colours.

We develop our packaging solutions in response to specific client needs. For example, EasyLyo is a vial designed specifically to optimize your lyophilization cycle. U-Save is a proven solution for nasal products that minimizes the loss of high value nasal liquid solutions.

Internal siliconization of the vials, a value-added coating

Internal siliconization maintains complete transparency of the vials while it allows the patients to use the last drop of aqueous solutions so that they receive the intended dose of active ingredients. It also can improve the stability of high pH formulations.



Scan the code with your
smartphone camera to watch our
siliconization video







PLASTIC COATING & PRINTING

SGD Pharma offers a range of customizable plastic coating and decoration options that can further enhance the visual and tactile desirability of your product.

Our decoration possibilities

Plastic coatings can be applied in a number of finished products to provide the desired branding and visual appeal. With an endless number of color and finish options available, SGD Pharma's glass products can be made to embody any brand requirement.

Plastic coatings also provide additional product protection against light, shatter resistance and physical property benefits. SGD Pharma's plastic coatings are composed of 60% PVC, applied at elevated temperatures and annealed at 400°C.

The plastic coatings can be completed with screen printing or serigraphy using 1-3 colors of UV ink, adding decoration, branding, directions for use and legal information.

The plastic-coated bottles can also have a label or shrink-wrapped printed sleeve.





BRANDING AND CUSTOMIZATION OPTIONS



Plastic Coating Finishes

- Frosted
- Transparent
- Opaque
- Glossy
- Mat

Color Options

Limitless

Plastic Coating Benefits

TACTICAL & VISUAL BENEFITS

Improve the patient experience

- Unique branded look
- Boost visual appeal
- Product differentiation
- Enhance premium look and feel
- Improve tactile experience
- Add softer touch

PRODUCT BENEFITS

Improve patient safety

- Additional product protection against light transmission
- Opacity enhances product properties
- Finishes may enhance user's grip
- Protection from mechanical shock and packaging robustness
- Compliance with EU directive 75/324/CEE

SGD Pharma offers a complete line of high-quality bottle packaging systems with the integrated ability to create distinctive designs and labelling that can set your product apart from all the rest.



QUALITY TO MEET PHARMACEUTICAL REQUIREMENTS

One quality management system worldwide

All of our manufacturing sites are certified to ISO 15378 standards. Our staff are fully committed to consistently adhering to GMPs and applicable regulations to ensure we deliver the level of quality demanded by the Pharmaceutical industry. SGD Pharma collaborates with its clients to design quality specifications that meet their needs.

Quality control throughout the manufacturing process

SGD Pharma controls and manages each step of the entire production process through the following controls and tests:

- Fully automated inspection systems from the initial composition of raw material to the final packaging
- 100% on-line inspection to verify the vials to dimensional, functional and visual specifications
- Physicochemical testing according to Pharmacopoeias (USP, EP, CFDA, JP)
- Batch release based on complete manufacturing records and QC results

Production and control records are maintained in a computerized system that ensures full traceability.

Regulatory support

Primary packaging, in particular for parenteral drugs, needs to comply with the strictest standards and regulations, as it contributes to the stability and quality of the drug products. SGD Pharma provides Pharma and Biotech companies with all the necessary documentation to simplify the registration and approval processes of their products with the regulatory agencies.



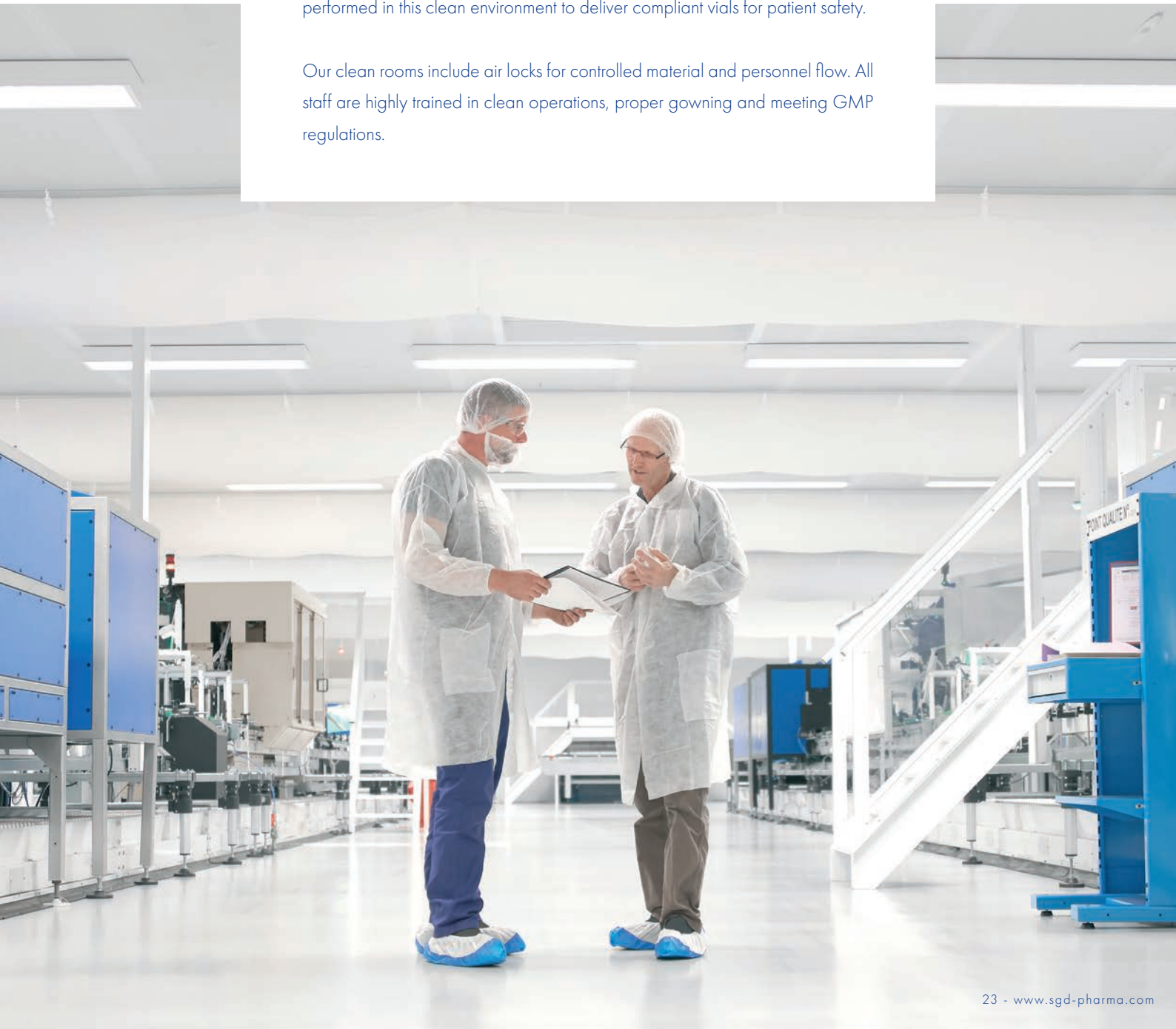


CLEANLINESS

Pharma Grade Glass

All SGD Pharma facilities are equipped with ISO 8 clean rooms. Particulate levels are strictly and regularly monitored. On-line inspection and packing are performed in this clean environment to deliver compliant vials for patient safety.

Our clean rooms include air locks for controlled material and personnel flow. All staff are highly trained in clean operations, proper gowning and meeting GMP regulations.



SSV - QUALITATIVE INSPECTION

Société de Services Verriers (SSV) has built its reputation as a preferred partner for the pharmaceutical and cosmetics industries based on its commitment to quality requirements.


Located in the heart of the Glass Valley, a French region globally known for glass containers production, SSV inspects over 150 million glass containers annually. The experience SSV has gained in over 40 years and a focus on tailoring the work to meet client's specific objectives; makes SSV the indisputable leader in France's glass inspection and services sector.

SSV has positioned itself as a solution provider, paying special attention to the entire sorting / packaging process, which is determined together with clients in order to meet their requirements.

Regardless of the assignment, SSV strives to identify the best possible processes and organization of its teams – with its success measured by the many client audits successfully carried out on our sites.

This quality-approach is at the heart of what we do at SSV and makes us the only French sorting service provider with ISO 15378 certification.





Well-trained operators, modern facilities

- Established in 1980
- 150 employees
- 150 million bottles sorted each year
- 4 ISO 8 Class Rooms
 - 3 manual inspection lines
 - 1 automated camera sorting line
- Surface area
 - Facility: 9.880 m²
 - Production: 1.000 m²
 - Warehouse: 1.200 m²

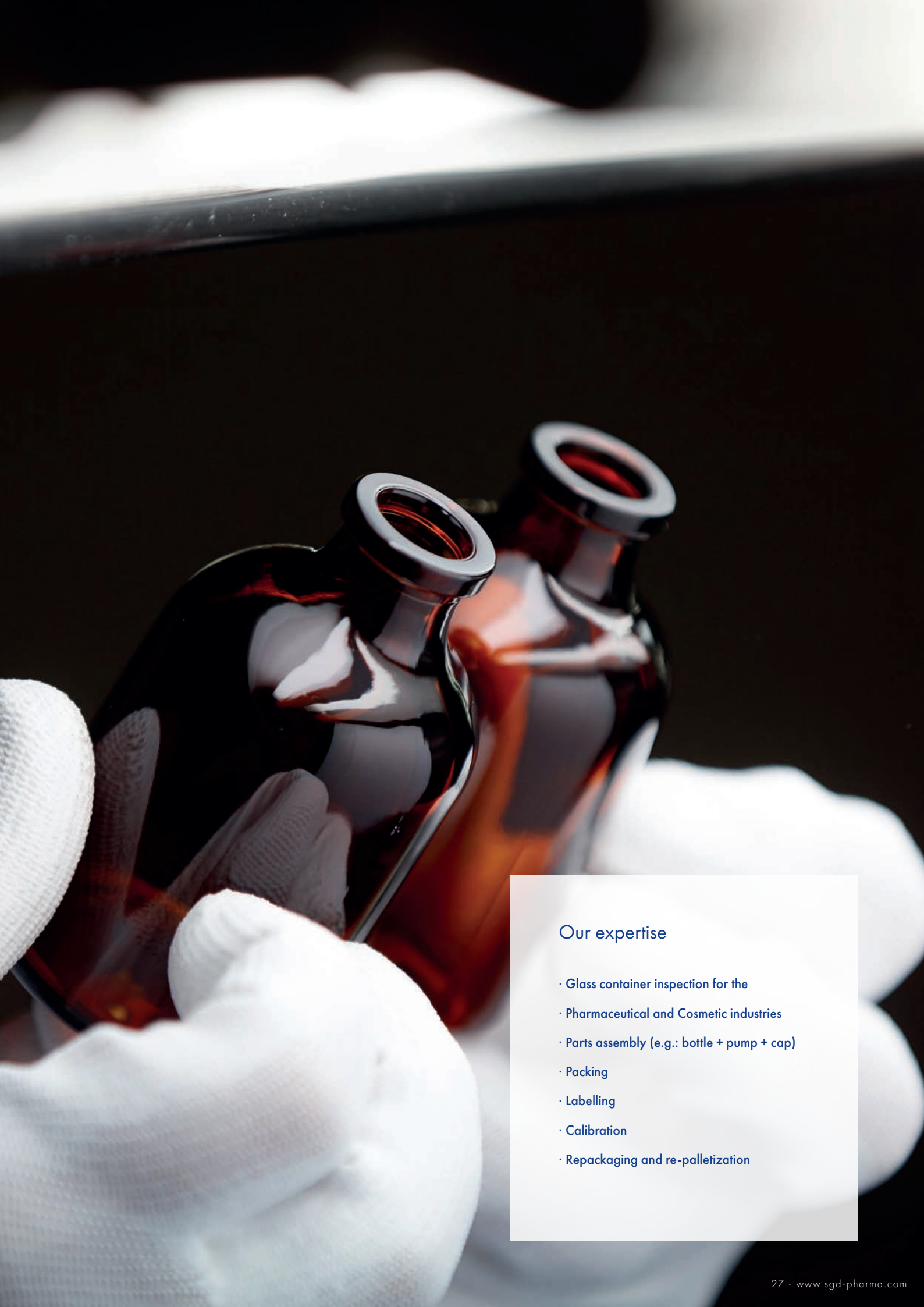


SSV - SKILLS, STANDARDS & INVESTMENTS

As a subsidiary of SGD Pharma, a major global player in glass primary packaging for the pharmaceutical industry, SSV meets the requirements of the health, food and perfume industries. This is how we have earned the trust of the most demanding manufacturers in the glass containers production industry, from the glass products themselves to their plastic accessories and packaging.

SSV employees – all of whom are true experts in the area of sorting and packing - benefit from our continuous training programs which enable the company to consistently deliver its high quality and reliability. An automated sorting line, installed in 2017, developed specifically for SSV and equipped with a number of quality control instruments utilizing the latest technology available on the market.

This line has been validated using low contrast surface images to detect a large number of defects including, internal contamination, external contamination, glass debris and other non-conformities. Whether it requires white rooms, manual and double sorting lines or automated lines using cameras, SSV's capabilities are designed to meet your specific requirements. All of our work-stations can modify illumination angles or make use of white or black backgrounds to meet the client's specific requirements and strive to meet the goal of zero defects.



Our expertise

- Glass container inspection for the
- Pharmaceutical and Cosmetic industries
- Parts assembly (e.g.: bottle + pump + cap)
- Packing
- Labelling
- Calibration
- Repackaging and re-palletization

GLOBAL FOOTPRINT



-  Headquarters
-  Sales office
-  Plant
-  Sorting facility

USE THE KNOWLEDGE AND STRENGTH
OF OUR WORLDWIDE NETWORK OF
90 PARTNERS AND DISTRIBUTORS
TO YOUR ADVANTAGE GLOBALLY



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BRAZIL

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EMBELIA

LE PACKAGING FULL SERVICE



EMBELIA designs, develops and distributes primary packaging solutions included bottling (bottles, jars, cans and containers), closures accessories (caps, pumps, dispensers) and decoration for markets in beauty, health and other industries (food, home care, gardening, chemicals etc.). Our solutions cover all materials traditionally used in packaging: glass, plastic, aluminium.



SUSTAINABILITY



SGD Pharma strongly believes in the importance of implementing a sustainability strategy, that contributes to customer satisfaction and supports sustained development, with a focus on three main areas:

- **PEOPLE** – Health & Safety, Career Management & Training, Social dialogue – Have the best trained, safe and healthy people, in a safe and productive work environment, focused on open social dialogue
- **BUSINESS VALUES** – Quality of Services and competitiveness, global business ethics policy, sustainable procurement - We seek to deliver the highest level of service to our customers, making us competitive while meeting our global ethics expectations internally, through our sourcing and supply practices
- **ENVIRONMENT** – Energy consumption, eco-design, re-use and water, environmental monitoring and controls – SGD Pharma actively minimizes its impact on the environment through energy reduction strategies, eco-design of products and facilities, recycling of glass and inputs as well as using effective environmental controls and testing

With continuous improvement in each of the three focus areas on page 16, SGD Pharma strives to maintain its position as a leader in the glass industry for years to come. These are values that we ask our people to embrace and live every day and extend these expectations through our supply chain.

Our goal is to remain a competitive leader with a workforce of highly trained people, utilizing the best technologies and environmental practices, delivering the highest quality glass products and meeting the regulatory and quality expectations of our valued customers around the globe.

For over 100 years, SGD Pharma has demonstrated its commitment to sustainability.





*Ecovadis Platinum Medal for the Group.
We are ranked among the top 1% of all companies assessed
by this CSR rating platform (2020).*



*Score B for climate change which is the average score for
our industry.*



01

Injectable vials in molded glass

Injectable vials

ISO injectable vials

Clareo

EasyLyo

Sterinity

Indian market

US market

INJECTABLE VIALS



ISO 20



Parenteral vials are intended to contain injectable drug formulations that are in direct contact with vial inner surface. SGD Pharma's response to the high standards required for parenteral vials is to offer a complete range

of injectable vials 100% produced and inspected in a clean room environment. In addition, our regulatory department is available to support your drug product approval process.

Ref	ml	ml	g	ISO 20	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
34554	6.0	7.8	11.0	ISO 20	38.0	21.0		○	○			
20036	200.0	246.0	138.0	ISO 20	114.5	65.0	○			○		
52716	250.0	300.0	180.0	ISO 20	125.6	69.1	○	○		○	○	

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



ISO INJECTABLE VIALS



ISO 20

ACCORDING TO
ISO-8362



Ref	ml	ml	g	ISO 20	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
00862	5.0	7.0	14.0	ISO 20	41.3	20.8	●			○		
00859	7.0	9.0	13.0	ISO 20	40.8	22.1	●	●	○	○		
00850	8.0	10.0	16.0	ISO 20	46.8	23.0	●	○	●	○		
00770	10.0	15.0	21.0	ISO 20	53.5	25.4	●	●	●	●	●	●

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

INJECTABLE VIALS IN MOLDED GLASS

ISO INJECTABLE VIALS



ISO 20

ACCORDING TO
ISO-8362



Ref	ml	ml	g	ISO 20	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
00771	15.0	17.0	24.0	ISO 20	58.8	26.5	●	●	●	○		○
00776	20.0	26.0	29.0	ISO 20	58.0	32.0	●	●	●	●	●	●
34128	25.0	32.0	35.0	ISO 20	58.0	36.0	○	○	○	○		

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



INJECTABLE VIALS IN MOLDED GLASS

ISO INJECTABLE VIALS



ISO 20

—
ACCORDING TO
ISO-8362



Ref	ml	ml	g	ISO 20	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
00071	30.0	38.0	35.0	ISO 20	62.8	36.0	●	○	○	●	○	○
00772*	50.0	60.0	50.0	ISO 20	73.0	42.5	●	●	●	●	●	●
01500*	100.0	119.0	89.0	ISO 20	94.5	51.6	●	●	●	●	●	●

* Available in the Sterinty platform

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

Clare[®]

Type II, premium injection vials



*Breakage
rate reduction*



*Lower Total Cost
of Ownership*



*Premium
quality*

Clareo
















ISO 20

—
ACCORDING TO
ISO-8362

Clareo vials are made of Type II glass and offer a combination of homogeneous wall thickness with superior cosmetic qualities. The range offers technical characteristics similar to the vials in the existing range and can replace them without any regulatory change.

With Clareo, SGD Pharma produces molded glass vials that demonstrate its expertise and high levels of manufacturing control resulting in a molded vial suitable for your high value products. Clareo vials can also serve as a more economical option for some molecules, as an alternative to Type I tubular glass.

												
Ref	ml	ml	g	ISO 20	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
00771 74	15.0	17.0	24.0	ISO 20	58.8	26.5		○	○			
00776 74	20.0	26.0	29.0	ISO 20	58.0	32.0		●	○			
00071 74	30.0	38.0	35.0	ISO 20	62.8	36.0		○	○			
00772 74	50.0	60.0	49.0	ISO 20	73.0	42.5		●	○			
01500 74	100.0	116.2	84.0	ISO 20	94.5	51.6		●	○			

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

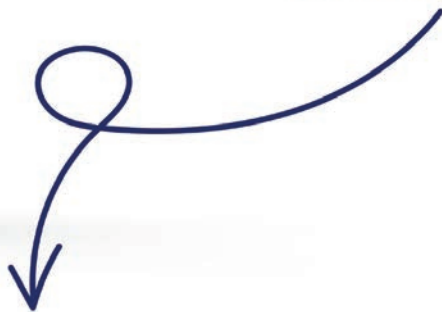
For more information, please contact your local representative



Still having issues
processing glass?

Well, this is awkward.

Watch the video



Scan the code with your
smartphone camera

Also available here: youtu.be/ykrlcEOlIZo





ISO 20



EasyLyo, simply stronger vials

EasyLyo offers a stronger vial that is more resistant and suitable to extreme conditions encountered during the lyophilization process.

EasyLyo is a range of Type I glass vials specifically designed to answer the growing demand for smaller capacity vials.

Ref	ml	ml	g	ISO 20	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
03360	5.0	7.0	11.5	ISO 20	35.6	22.0	○			○		
03331	10.0	14.0	15.0	ISO 20	47.0	25.2	○			○		
20563*	20.0	24.0	22.0	ISO 20	56.0	30.0	○			○		
20572*	25.0	30.0	25.0	ISO 20	64.9	30.0	○			○		
20561	30.0	35.0	27.0	ISO 20	55.8	36.0	○			○		
20560*	50.0	58.0	49.0	ISO 20	68.5	42.5	○			○		
20565	100.0	116.0	82.0	ISO 20	88.9	51.6	○			○		

*Available in the Sterility platform

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

Ready-to-Use High Quality Type I Molded Glass Vials

Sterinity

Brought to you by the glass experts you have come to trust. It's molded and ready-to-use.



More flexibility & safety for supply



Increased quality and safety



Reduced TCO



Faster to market

Stronger mechanical resistance



Higher chemical durability



Better cosmetic aspect






Sterinity















SGD Pharma partnering with SG EZ-fill® to offer washed, sterilized and depyrogenated high-quality Type I molded glass vials.

A secondary packaging designed in collaboration with the highest quality machine suppliers and optimized to:

- Grant the vial sterility until the aseptic area
- Avoid contamination
- Protect the physical integrity of the vials
- Match the filling technology standards

	Primary packaging	
	Washing	Sterilization & depyrogenation
	Stocks & deliveries	
Pharma Lab	Fill & finish	

							Type of secondary packaging	Vials per secondary packaging
	20.0	ISO 20	56.0	30.0	▲	▲	Tray	60
	25.0	ISO 20	64.9	30.0	▲	▲	Tray	60
	50.0	ISO 20	68.5	42.5	▲	▲	Tray	28
ISO	50.0	ISO 20	73.0	42.5	▲	▲	Tray	28
	100.0	ISO 20	94.5	51.6	▲	▲	Tray	18
								
	20.0	ISO 20	56.0	30.0	▲	▲	Nest & tub	24
								
	Vials are placed down - upside inside the tray							
	Vials are placed side-up inside the nest & tub							

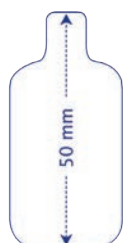
▲ Available upon order receipt




For more information, please contact your local representative

INDIAN MARKET



20 mm



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
National	5.0	10.0	14.0	20 mm	39.0	24.62	○				○	
National	7.5	8.5	15.0	20 mm	36.2	24.6	○					
National	10.0	14.25	18.5	20 mm	50.0	25.0	○				○	
National	12.0	16.5	21.0	20 mm	53.0	26.0					○	
National	15.0	19.5	21.5	20 mm	57.0	26.5					○	
National	20.0	26.75	27.0	20 mm	57.5	32.0	○				○	

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



INDIAN MARKET



20 mm



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
Victory	15.0	19.5	23.0	20 mm	57.0	26.85	○					
Victory	30.0	37.0	38.0	20 mm	61.5	37.87	○				○	
Victory	50.0	67.0	52.0	20 mm	73.5	44.25	○				○	
Victory	100.0	131.0	103.0	20 mm	96.5	53.0	○				○	

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

US MARKET



GPI 20 mm



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
04997	20.0	26.0	30.0	GPI 20	58.32	32.11	○				○	
05284	20.0	27.0	30.0	GPI 20	58.60	32.90	○				○	
20590	30.0	39.6	39.0	GPI 20	65.48	36.91	○				○	
05285	50.0	63.5	56.0	GPI 20	74.60	43.26	○	○			○	
20591	50.0	61.0	57.0	GPI 20	82.55	39.67	○				○	
20592	100.0	120.9	109.0	GPI 20	92.86	53.57	○					
05672	100.0	125.0	81.0	GPI 20	94.30	51.6	○					


● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative







Injectable vials in tubular glass and ampoules

ISO injectable vials

Ampoules

INJECTABLE VIALS IN TUBULAR GLASS AND AMPOULES

ISO INJECTABLE VIALS



13 & 20 mm

—
ACCORDING TO
ISO-8362



SGD Pharma India tubular vials and ampoules are made of neutral borosilicate glass from the 5.0 expansion coefficient family. The tubular glass used by SGD Pharma India is supplied by globally renowned glass tubing manufacturers like Schott, NEG, Corning and others as per the specifications of our clients.

- Custom-made design as per customer's request
- Blow back (EU and US designs)
- Bottom optimization for lyophilization process
- Crimp neck and screw neck finishes
- Optional on-line sulphur coating for specific requirements
- Insulin vials
- Narrow dimensional accuracy monitored by on-line camera inspection
- Optional cosmetic flaws inspection with high-level camera system
- Hydrolytic Resistance compliant with Pharmacopoeias to minimize interaction between the drug and the inner surface of the vial












ISO INJECTABLE VIALS



13 & 20 mm

ACCORDING TO
ISO-8362

								
Ref	ml	ml	mm	mm	mm	mm	Type I	Type I
2R	3.4	4.0	1.0	13 mm	35.0	16.0	○	○
4R	4.8	6.0	1.0	13 mm	45.0	16.0	○	○
6R	8.3	10.0	1.0	20.0 mm	40.0	22.0	○	○
8R	9.8	11.0	1.0	20.0 mm	45.0	22.0	○	○
10R	11.5	13.5	1.0	20.0 mm	45.0	24.0	○	○
15R	17.3	19.0	1.0	20.0 mm	60.0	24.0	○	○
20R	21.7	26.0	1.2	20.0 mm	55.0	30.0	○	○
25R	27.0	32.5	1.2	20.0 mm	75.0	30.0	○	○
30R	33.0	37.5	1.2	20.0 mm	75.0	30.0	○	○
50R	49.0	62.0	1.5	20.0 mm	73.0	40.0	○	○
100R	75.0	123.0	1.7	20.0 mm	100.0	47.0	○	○

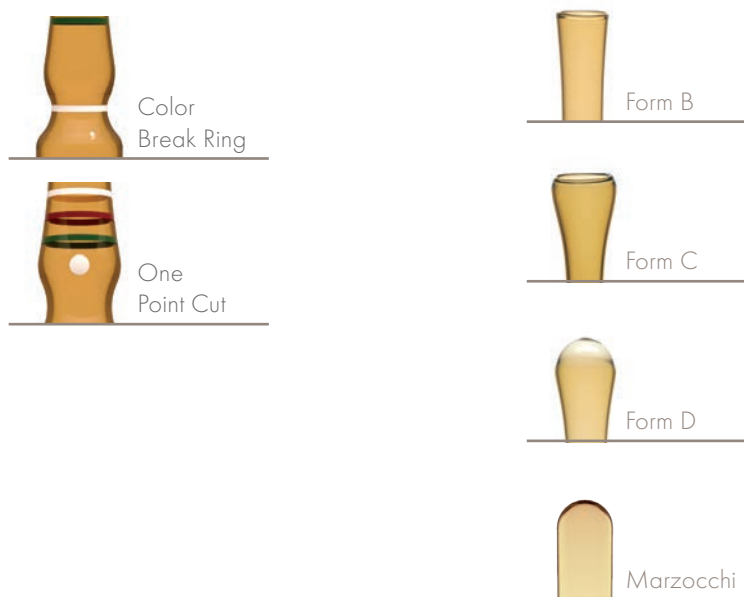
● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



AMPOULES



- Wide variety as per ISO 9187
- Color break ring
- One point cut
- Custom-made design as per customer's request
- Optional ring coding
- Optional printing
- Narrow dimensional accuracy monitored by on-line camera inspection
- Optional cosmetic flaws inspection with high-level camera system
- Hydrolytic Resistance compliant with Pharmacopoeia to minimize the interaction between the drug and the inner surface of the ampoule

Reference	Volume to centre of constriction (ml)	Height of constriction (mm)	Height of body (mm)	Body diameter Ø (mm)	Clear glass	Amber glass
1 ml	1.5	25.5	21.0	10.75	○	○
2 ml	2.3	37.5	33.0	10.75	○	○
3 ml	3.5	39.5	35.0	12.75	○	○
5 ml	5.5	46.5	41.0	14.75	○	○
10 ml	11.5	62.0	55.0	17.75	○	○
20 ml	23.5	76.0	65.0	22.5	○	○
25 ml	28.5	91.0	80.0	22.5	○	○
30 ml	33.5	106.0	95.0	22.5	○	○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative





Infusion bottles

Infusion bottles

ISO infusion bottles

Lightweight infusion bottles

Screw neck infusion bottles

Scandinavian market

Italian market

Indian market

US market

Chinese market

INFUSION BOTTLES

INFUSION BOTTLES



CRIMP FINISH

32 mm



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
20057*	50.0	73.0	60.0	32.0 mm	72.0	46.0	○					
52672	60.0	78.0	62.0	32.0 mm	76.2	46.0		○				
34527	70.0	77.0	60.0	32.0 mm	75.0	46.0	○	●				
05353	150.0	207.0	142.0	32.0 mm	102.5	66.0	○	○				
20539	150.0	180.0	123.0	32.0 mm	129.0	50.8	○					
20546	200.0	240.0	148.0	32.0 mm	113.1	66.0	○					
52679	200.0	225.0	142.0	32.0 mm	103.5	66.0		○				

*with bail bands

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



INFUSION BOTTLES

INFUSION BOTTLES



CRIMP FINISH

32 mm



Ref	ml	ml	g			mm	Type I	Type II	Type III	Type I	Type II	Type III
34430	250.0	308.0	170.0	32.0 mm	136.0	66.0	●	●		●	●	
34657	250.0	320.0	145.0	32.0 mm	135.0	67.4		○				
05213	300.0	358.0	215.0	32.0 mm	156.0	66.0	○					
34644	400.0	490.0	210.0	32.0 mm	152.0	78.0		○				
34412*	500.0	588.0	280.0	32.0 mm	177.0	78.0	●			●		
34431	1000.0	1125.0	510.0	32.0 mm	230.0	95.0	●					

* with graduation scale

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

INFUSION BOTTLES

ISO INFUSION BOTTLES



CRIMP FINISH

32 mm

ACCORDING TO
ISO-8536



Glass is the health authorities preferred choice for sensitive drug products.

SGD Pharma is recognized as a leading supplier of infusion bottles for parenteral nutrition products and active drug products.

Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
04109	50.0	68.0	55.0	32.0 mm	68.0	46.0	●	●	○	○		
34358	100.0	128.0	87.0	32.0 mm	104.0	49.0	●	●	○	○	○	
03194*	125.0	147.0	95.0	32.0 mm	98.0	56.0		○				

*with graduation scale

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



INFUSION BOTTLES

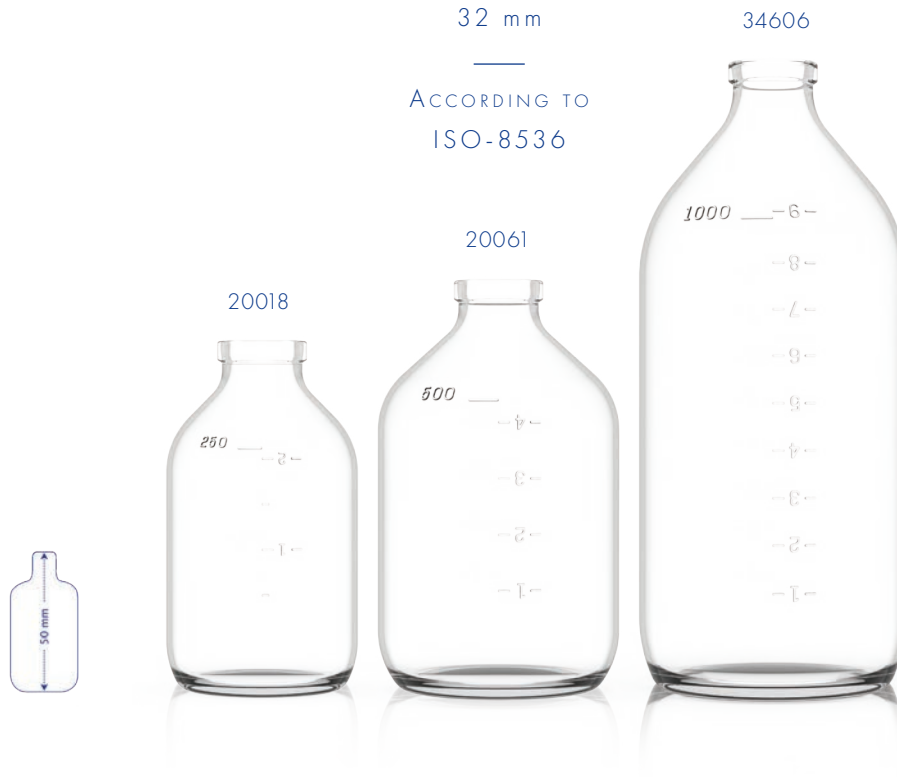
ISO INFUSION BOTTLES



CRIMP FINISH

32 mm

ACCORDING TO
ISO-8536



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
20018 *	250.0	297.0	143.0	32.0 mm	125.0	68.0	○	●		○	●	
20061 *	500.0	584.0	220.0	32.0 mm	147.0	86.0	○	●				
34606 *	1000.0	1120.0	385.0	32.0 mm	225.0	95.0		●				

*with graduation scale

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

INFUSION BOTTLES




 **LIGHTWEIGHT**



CRIMP FINISH

32 mm



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
34570	250.0	310.0	145.0	32.0 mm	136.0	66.0	●					
34645	300.0	347.0	175.0	32.0 mm	142.0	68.0	○					
34571	500.0	588.0	245.0	32.0 mm	177.0	78.0	●				●	

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative





INFUSION BOTTLES

SCREW NECK



40 mm

00690

00195

00194

00168

00466



Ref



ml



ml



g



mm



mm



mm



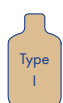
Type I



Type II



Type III



Type I



Type II



Type III

00466*▲	125.0	154.0	142.0	40.0 mm	114.6	53.5	○
00194*▲	250.0	330.0	225.0	40.0 mm	152.0	68.0	○
00168*▲	500.0	580.0	359.0	40.0 mm	152.0	91.5	○
00195*▲	1000.0	1094.0	625.0	40.0 mm	247.0	90.0	○
00690*▲	2000.0	2160.0	1185.0	40.0 mm	281.5	116.0	○

*with graduation scale

▲with bail bands

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

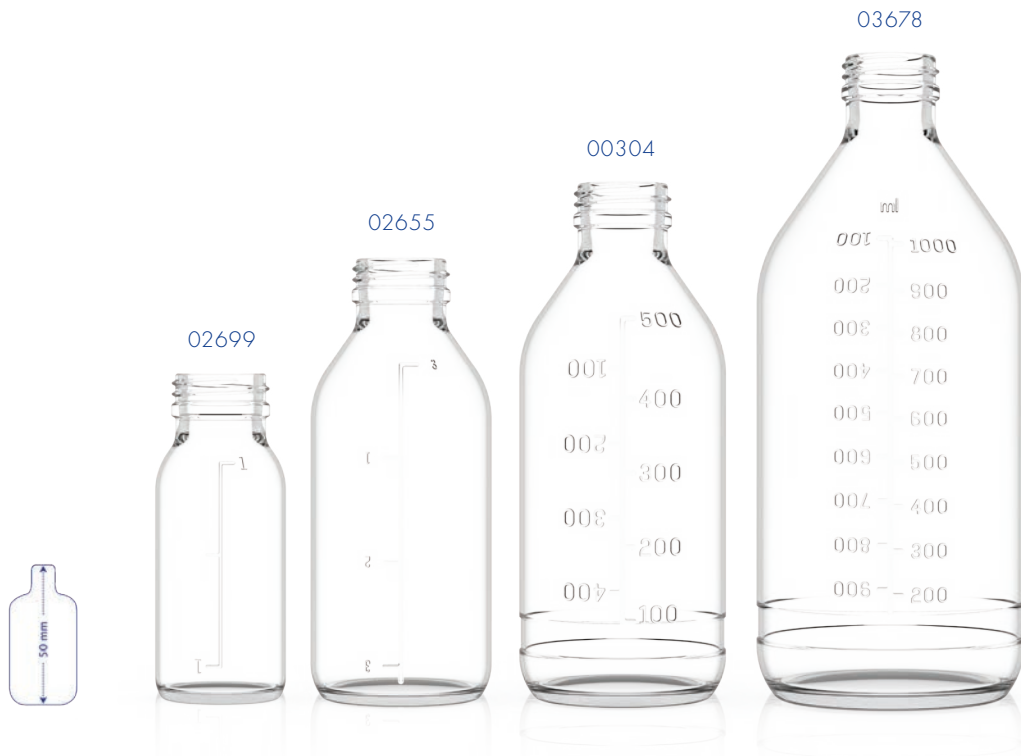


INFUSION BOTTLES

SCANDINAVIAN MARKET



CSB 35.7



Ref	ml	ml	g	CSB 35.7	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
02699*	100.0	120.0	145.0	CSB 35.7	118.0	49.0	○					
02655*	300.0	330.0	245.0	CSB 35.7	160.0	65.0	○					
00304*▲	500.0	550.0	300.0	CSB 35.7	188.0	78.0	○					
03678*▲	1000.0	1131.0	520.0	CSB 35.7	234.0	97.0	○					

*with graduation scale

▲with bail bands

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

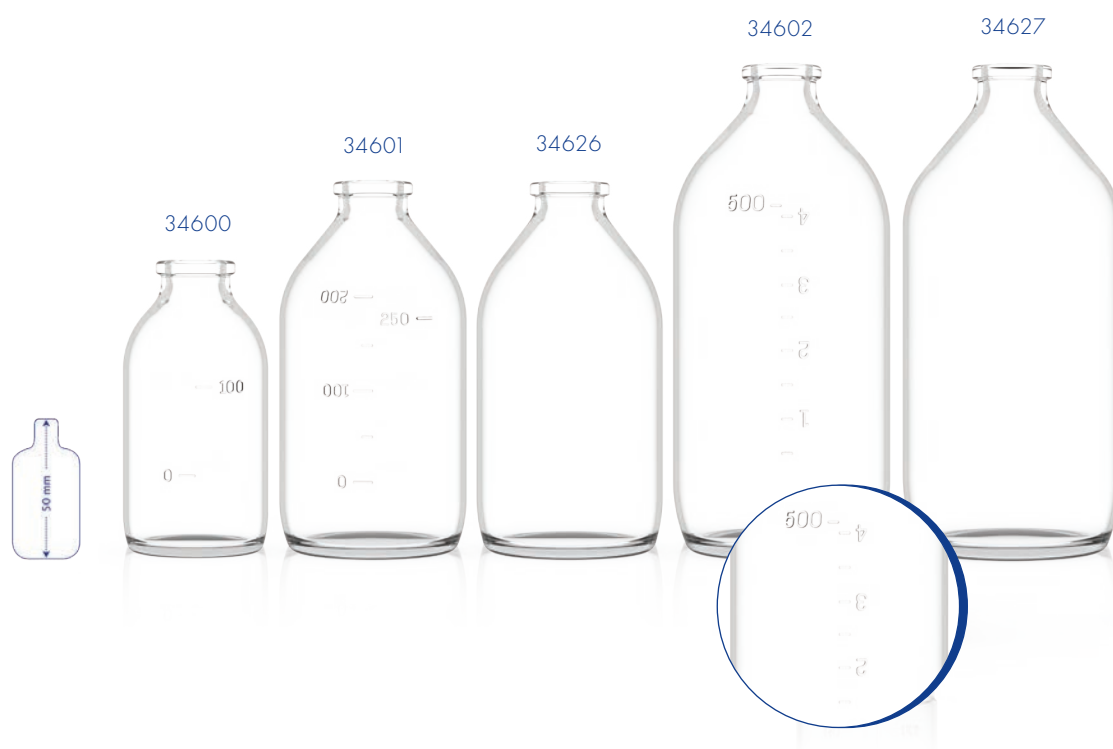
INFUSION BOTTLES

ITALIAN MARKET



CRIMP FINISH

29 mm



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
34600*	100.0	145.0	95.0	29.0 mm	105.8	52.0	○					
34601 *	250.0	310.0	150.0	29.0 mm	135.0	67.4	○					
34626	250.0	315.0	145.0	29.0 mm	134.5	67.0	○					
34602 *	500.0	589.0	228.0	29.0 mm	177.0	78.1	○					
34627	500.0	589.0	232.0	29.0 mm	177.0	78.6	○					

*with graduation scale

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



INFUSION BOTTLES

INDIAN MARKET



32 mm



Saline	50.0	76.0	64.0	32.0 mm	75.0	46.5	○
--------	------	------	------	---------	------	------	---

Saline	100.0	135.0	98.0	32.0 mm	103.5	51.5	○
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*with graduation scale

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

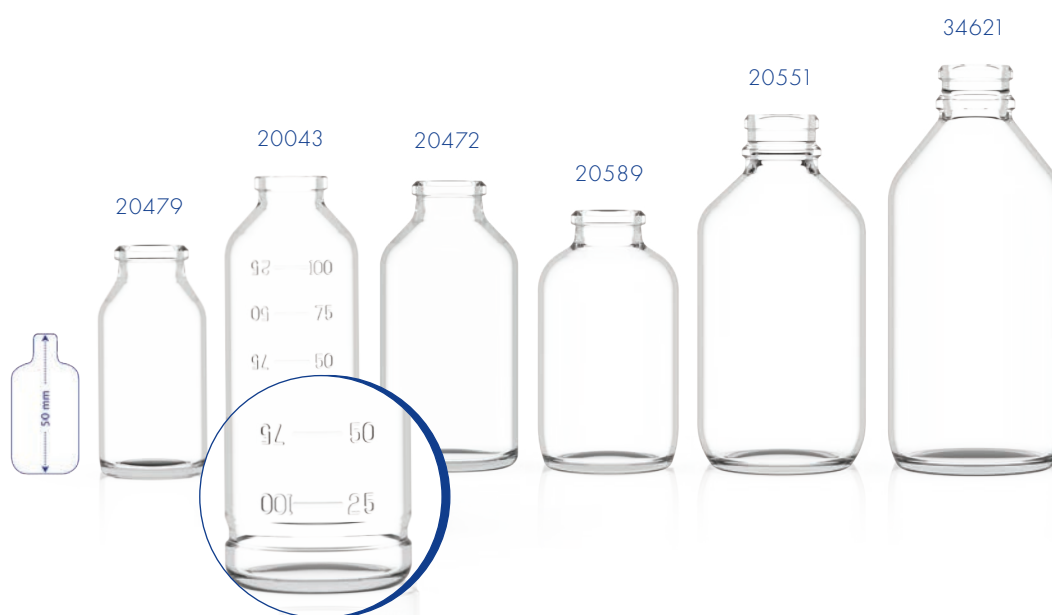
INFUSION BOTTLES

US MARKET



CRIMP FINISH

28 mm



Ref	ml	ml	g	28.0 mm	84.93 mm	39.85 mm	Type I	Type II	Type III	Type I	Type II	Type III
20479	50.0	63.5	61.0	28.0 mm	84.93	39.85	○					
20043 ▲●	100.0	125.0	125.0	28.0 mm	109.0	49.0	○		○			
20472	100.0	129.6	114.0	28.0 mm	105.1	50.7	○					
20589	100.0	126.4	94.0	28.0 mm	95.63	51.59	○					
20551 *	200.0	237.4	164.0	28.0 mm	131.0	61.5	○					
34621 *	250.0	300.0	210.0	28.0 mm	149.2	64.0		○				
34650	400.0	450.0	232.0	28.0 mm	150.2	75.6		○				

* with transfer ring

▲ with bail bands

● graduation available

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



INFUSION BOTTLES

US MARKET



CRIMP FINISH

GPI 30 mm



Preferred option for the veterinary market



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
20119	250.0	271.0	210.0	GPI 30	145.3	60.3			○			
52727	250.0	280.5	198.0	GPI 30	159.5	60.4	○	○	○	○	○	○
52686	500.0	545.0	280.0	GPI 30	192.0	75.4				○		○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

INFUSION BOTTLES

CHINESE MARKET



28 A, 26 B & S 32



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
04109	50	68	55	S 32	68	46	●					
34358	100	128	92	S 32	104	49	●					
77701	100	128	90	28 A	104	49	○					
77553	200	260	155	S 32	133.2	61	●					
77702	200	255	151	28 A	133.2	61	○					
77530	250	300	191	28 B	140	68	○					

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



INFUSION BOTTLES

CHINESE MARKET



28 A, 26 B & S 32



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
77534	250	312	166	S 32	136	66	●					
77700	250	300	192	26 B	140	68		○				
77531	300	365	193	S 32	143	70.3	●					
77542	500	590	253	S 32	177	78	●					
34572	1000	1125	440	S 32	230	95	●					

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



04

Diagnostic bottles

DIAGNOSTIC BOTTLES

US MARKET






GPI 20/400



With glass meeting the strict quality requirements of the hospital industry, it ensures patient safety.

SGD Pharma has developed a range of diagnostic glass from 7ml to 80 ml, in amber and clear glass, to meet customer demand.

Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
20252	3/5	7.0	12.7	GPI 20/400	40.2	21.0	○			○		
20242	6/8	10.0	17.0	GPI 20/400	46.8	23.5	●			●		
20243	10/15	18.0	29.5	GPI 20/400	56.7	29.4	●			●		
20244	30/40	48.0	64.0	GPI 20/400	75.5	40.5	○			○		
20253	50/70	80.0	92.0	GPI 20/400	86.9	47.5	○			○		

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative







05

Nasal

Nasal PH 18 & FEA 20

U-Save bottles

U-Save bottles (US market)



U-SHAPED BOTTLE

MAXIMUM RECOVERY RATE
OF PRODUCT

NASAL



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
52414	15.0	22.0	39.0	FEA 20	58.9	31.8	○			○		
20012	25.0	30.0	37.0	PH 18	62.3	35.7	○			○		
34128	25.0	32.0	35.0	FEA 20	57.8	36.0	○			○		

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative





DOWNLOAD OUR NEW FREE APP

Pharma industry identification & cross-reference guide to visual non-conformities found in molded glass bottles & vials.



Cross-Referenced to



NASAL U-SAVE BOTTLES



GPI 18/415 & PH 18 & S 20



SGD Pharma offers a wide range of products, specially designed for nasal delivery. Equipped with a screw neck, crimp neck or snap-on finish, the design of the bottles integrates

the requirements of the selected dispensing systems (pumps, valves, etc.) for an ideal product configuration. SGD Pharma U-Save bottles are easily adaptable to your requirements.

Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
20395	1.0	3.0	17.5	GPI 18/415	33.5	22.0	○			○		
20166	1.0	5.6	22.0	PH 18	33.9	25.3	○			○		
05925	2.5	6.0	23.0	PH 18	44.6	24.0	○			○		
20348	3.0	5.2	23.0	GPI 18/415	39.8	25.5	○			○		
20063	3.5	5.6	21.0	S 20	39.2	24.0	○			○		
20343	5.0	8.0	28.5	GPI 18/415	45.0	28.0	○			○		

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



NASAL




U-SAVE BOTTLES

US MARKET



APF 20, FEA 20 & ISO 20



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
20063	3.5	5.6	21.5	ISO 20	39.2	24.0	○			○		
20063	3.5	6.0	20.5	APF 20	39.2	24.0	○			○		
20154	6.0	8.0	27.0	FEA 20	50.3	26.0	○			○		
20599	7.5	10.0	30.0	APF 20	56.3	24.0	○			○		
20185	10.0	12.5	33.0	APF 20	50.2	28.2	○			○		
20185	10.0	12.5	33.0	FEA 20	50.2	28.2	○			○		

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative





SYRUP BOTTLES

- Alpha bottles
- Round syrup bottles
- Specific syrup bottles
- Pluma (Brazilian market)

BOTTLES FOR ANTIBIOTICS WITH FILLING MARK

DROPPER BOTTLES

- Dropper bottles
- Child Resistant Closures
- Ensiemo

TABLET BOTTLES

SINGLE DOSE BOTTLE

AEROSOL BOTTLES

ORAL - SYRUP BOTTLES

ALPHA



PP 25



SGD Pharma is a leading supplier of syrup bottles with more than 2 million units delivered every day, globally.

We offer a very broad selection of syrup bottles including lightened and resistant bottles, compatible with all types of inserts.

Ref	ml	ml	g	PP 25	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52152	30.0	35.0	45.0	PP 25	74.0	35.0						○
52484	30.0	35.0	36.0	PP 25	67.0	35.0			○			○
52481	45.0	51.0	45.0	PP 25	76.0	39.3			○			○
52480	60.0	65.0	57.0	PP 25	92.7	38.6			○			○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



ORAL - SYRUP BOTTLES

ALPHA



PP 28



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52541	30.0	37.0	39.0	PP 28	67.0	35.0			●			●
52728	45.0	52.0	49.0	PP 28	76.0	39.3			○			●
52522	60.0	68.0	60.0	PP 28	94.0	38.6			●			●
52669	75.0	83.0	67.0	PP 28	95.0	43.9			○			●
52464	90.0	97.5	69.0	PP 28	103.1	43.9			●			●
52473	100.0	108.0	72.0	PP 28	104.8	46.1			●			●
52459	125.0	133.0	82.0	PP 28	114.4	49.0			●			●

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

ORAL - SYRUP BOTTLES

ALPHA



PP 28



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52444	150.0	158.0	98.0	PP 28	122.8	51.6			●			●
52451	180.0	189.0	110.0	PP 28	129.9	54.7			○			●
52466	200.0	209.0	120.0	PP 28	133.3	57.0			●			●
89061	225.0	225.0	124.0	PP 28	135.5	58.2			○			○
52475	250.0	260.0	140.0	PP 28	142.9	61.7			●			●

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

ORAL - SYRUP BOTTLES

ALPHA



PP 28



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52454	300.0	315.0	163.0	PP 28	151.3	65.6			●			●
52517	500.0	512.0	240.0	PP 28	176.8	76.8			●			●
52515	1000.0	1020.0	470.0	PP 28	217.0	97.5			●			●

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

ORAL - SYRUP BOTTLES

ROUND



PP 28 & PH 40



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52678	15.0	22.0	35.0	PP 28	52.1	33.0						●
04116	30.0	39.0	49.0	PP 28	70.4	35.4			○			●
04082	60.0	72.5	59.0	PP 28	82.5	43.8						○
04083	100.0	118.0	87.0	PP 28	96.8	51.2						○
52709	100.0	118.0	95.0	PP 28	98.0	51.6			○			○
53153	120.0	128.0	123.0	PH 40	106.1	48.5			○			
52324	200.0	226.0	133.0	PP 28	118.7	63.0						○
52610	250.0	283.0	165.0	PP 28	133.6	65.8						○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



ORAL - SYRUP BOTTLES

SPECIFIC



PP 22, PP 25, PP 28



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
52634	20.0	23.6	31.0	PP 22	61.3	31.0						○
52639	30.0	36.5	44.0	PP 25	74.0	35.0			○			○
52183	100.0	112.0	83.0	PP 25	113.0	46.1						○
52364	100.0	118.0	100.0	PP 28	125.1	45.0						○
52175	125.0	131.5	109.0	PP 25	122.1	49.0						○
52348	125.0	133.0	120.0	PP 28	122.4	49.0						○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

ORAL - SYRUP BOTTLES

PLUMA - BRAZILIAN MARKET



PP 24 & PP 28



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
89090	30	36	38,5	PP 24	74,1	33						●
89087	60.0	70.5	55.0	PP 24	86.2	41.8						●
89097	80.0	90.5	66.0	PP 24	91.5	46.4						●
89086	100.0	113.0	73.2	PP 24	98.4	49.0						●
89084	120.0	132.5	85.2	PP 24	103.0	52.2						●
89092	150	165,5	95,2	PP 24	109,2	56						●
89096	200.0	220.5	140.0	PP 28	133.8	56.8						●

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



ORAL

BOTTLES FOR ANTIBIOTICS WITH FILLING MARK



PP 28 & PP 36



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
52541	15.0	37.0	39.0	PP 28	67.0	35.0			○			○
52662	30.0	45.0	56.0	PP 28	72.7	38.8			○			
52464	60.0	97.5	69.0	PP 28	103.1	43.9			○			○
52531	60.0	90.0	76.0	PP 36	84.8	46.4			○			
52459	100.0	133.0	82.0	PP 28	114.4	49.0			○			○
52473	100.0	108.0	72.0	PP 28	104.8	46.1			○			○
52444	120.0	158.0	98.0	PP 28	122.8	51.6			○			○
52475	200.0	260.0	140.0	PP 28	142.9	61.7			○			○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities




For more information, please contact your local representative

ORAL DROPPER BOTTLES



SGD Pharma offers a wide range of clear and amber glass dropper bottles for medical or diagnostic applications.

Accessories: eye droppers and droppers can be provided upon request.

Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
52702	5.0	8.0	20.0	DIN 18	50.7	22.2			○			●
52490	10.0	14.0	26.0	DIN 18	58.0	25.4			○			●
52636	15.0	18.0	27.0	DIN 18	67.5	25.8						○
52649	15.0	19.0	26.0	DIN 18	60.0	29.0						○
34387	20.0	23.0	32.0	DIN 18	71.5	28.6						●
02543	30.0	35.5	44.0	DIN 18	81.1	32.4			○			●
34340	50.0	55.0	55.0	DIN 18	92.0	37.7						●
34388	100.0	108.0	94.0	DIN 18	111.1	46.7						●

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



ORAL

DROPPER BOTTLES



PP 18, PP 22, PP 25 & PP 28

52133



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52133	15.0	21.0	31.0	PP 22	54.0	32.0						●
52756	20.0	26.0	30.0	PP 18	67.7	30.0			○			○
52766	20.0	26.0	29.0	PP 18	67.7	30.0						○
52484	30.0	34.0	35.0	PP 25	66.6	35.0			○			○
52481	45.0	50.5	45.0	PP 25	76.0	39.3			○			○
52480	60.0	65.0	57.0	PP 25	92.7	38.6			○			○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

ORAL

DROPPER BOTTLES



PH 13, PH 15, PH 18 & PH 20



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
00119	2.5	3.0	8.5	PH 13	32.0	18.5			●			
50478	4.0	7.0	16.0	PH 15	53.2	19.8			○			○
02951	10.0	12.0	18.0	PH 18	50.2	24.1			●			○
02893	15.0	17.0	22.0	PH 18	57.2	26.6			●			●
02953	20.0	22.0	26.0	PH 18	60.1	29.7						○
52484	30.0	35.0	36.0	PH 20	67.0	35.0			○			○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative





CHILD RESISTANT CLOSURES

As with any health or pharmaceutical product, child safety is a key consideration in packaging selection.

According to the World Health Organization acute poisoning is a significant issue, contributing to unintentional death of thousands of children worldwide, with the highest numbers of incidents involving children under 3 years old.

SGD Pharma provides CRC options for its range of dropper bottles.

ORAL

DROPPER BOTTLES

E N S E M B L E



DIN 18

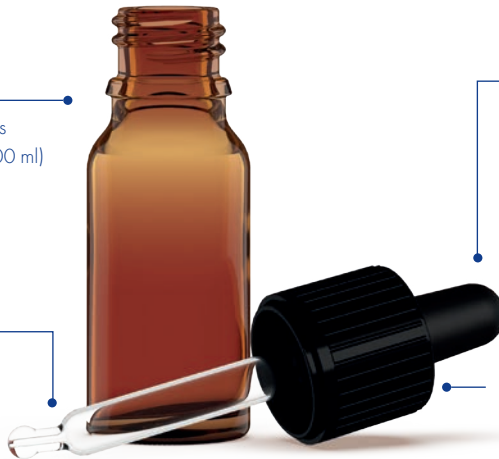
With a wide range of dropper bottles and dropper combinations, in either clear or amber glass, SGD Pharma can provide complete packaging, all from one company.

Dropper Bottles

- 10 ml, 15 ml*, 30 ml (other bottle options available including 20 ml, 50 ml, and 100 ml)
- Amber or clear glass

Pipettes:

- Type III glass of various lengths (57 to 77mm)
- Various tip shapes available (tapered or bent ball tips)
- Graduated or ungraduated



Teats / bulbs:

- Small (0.7 ml) or large (1.0 ml) volumes
- TPE material for 1.0 ml teat / bulb with Child Resistant Closure (CRC) option
- Natural rubber or nitrile or TPE for 0.7 ml
- Other colors available upon request

Caps:

- Polypropylene (PP) or High-Density Polyethylene (HDPE) materials
- Tamper Evident options
- Child Resistant Closure (CRC) options

Can be customized upon request (see p. 19)

*MOQ available upon request

SGD Pharma offers a high quality range of clear and amber bottles and dropper assemblies ideally suited for oil product formulations. They feature pharmaceutical grade glass with precise and accurate dropper dosage resulting in virtually no product waste.

This convenient and functional combination also includes the following features:

- Child resistant packaging systems certified ISO 8317 & US CFR 16 1700.20
- Senior friendly
- Product integrity features with Tamper Evidence (TE)


COMPLETE PACKAGING SOLUTION & SERVICES

- Better lead times
- Consistency & reliability
- Mastered supply chain
- Increased efficiency & convenience
- More flexibility
- Ready-to-fill product
- Time saving & peace of mind
- Cost saving
- Reduced administrative work
- Minimize environmental impact:
less deliveries = less carbon foot print

MULTIPLE
BENEFITS


Dropper Reference						
52490	10.0	14.0	26.0	DIN 18	58.0	25.4



Reference	Closure options	Pipette shape	Pipette length (mm)	Test material	Test dosing	Pipette Graduation	MOQ
97057 10 101	CRC + TE ○		57	TPE	1.0 ml	Printed	30 000
97057 10 001						Not printed	
97057 10 111	CRC + TE ●					Printed	
97057 10 011						Not printed	
97057 07 111					0.7 ml	Printed	
97057 07 011						Not printed	
97057 07 101	CRC + TE ○					Printed	
97057 07 001						Not printed	


Dropper Reference						
52636	15.0	18.0	27.0	DIN 18	67.5	25.8



Reference	Closure options	Pipette shape	Pipette length (mm)	Test material	Test dosing	Pipette Graduation	MOQ
97067 10 101	CRC + TE ○		67	TPE	1.0 ml	Printed	Under request
97067 10 001						Not printed	
97067 10 111	CRC + TE ●					Printed	
97067 10 011						Not printed	
97067 07 111					0.7 ml	Printed	
97067 07 011						Not printed	
97067 07 101	CRC + TE ○					Printed	
97067 07 001						Not printed	

Dropper Reference						
02543	30.0	35.5	44.0	DIN 18	81.1	32.4



Reference	Closure options	Pipette shape	Pipette length (mm)	Test material	Test dosing	Pipette Graduation	MOQ
97077 10 101	CRC + TE ○		77	TPE	1.0 ml	Printed	30 000
97077 10 001						Not printed	
97077 10 111	CRC + TE ●					Printed	
97077 10 011						Not printed	
97077 07 111					0.7 ml	Printed	
97077 07 011						Not printed	
97077 07 101	Printed						
97077 07 001	CRC + TE ○					Not printed	

● Stands for black color ○ Stands for white color CRC = Child Resistant Closure TE = Tamper Evident TPE = thermoplastic elastomer

ORAL

HIGH SHAPE TABLET BOTTLES



SC * 22, SC 25 & SC 30

(* SNAP CAP)



SGD Pharma offers a wide range of tablet bottles in Type III amber and clear glass.

High barrier to liquids, gases, micro-organisms and odors, glass is the primary packaging of choice to maintain drug product integrity over time.

Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
00797	9.0	8.5	11.0	SC 22	38.5	22.2			○			○
00796	12.0	11.5	14.0	SC 22	50.0	22.2			○			○
00994	17.0	17.0	20.0	SC 25	51.2	26.0			○			○
00794	25.0	25.0	35.0	SC 30	62.9	31.0			●			○
00825	31.0	31.0	31.0	SC 30	62.2	31.0			●			○
00832	36.0	36.0	38.0	SC 30	72.0	31.0			○			○
00963	67.0	67.0	45.0	SC 30	76.0	40.2			○			○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



ORAL

LOW SHAPE TABLET BOTTLES



SC 30



Ref	ml	ml	g				Type I	Type II	Type III	Type I	Type II	Type III
00795	18.0	18.0	25.0	SC 30	42.1	31.0			○			●
00972	45.0	45.0	47.0	SC 30	62.2	38.7			○			○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

ORAL

ISO TAMPERPROOF TABLET BOTTLES



Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52674	40.0	46.0	43.0	SC 30	60.0	40.2				○		○
52687	80.0	88.0	80.0	SC 30	81.0	47.5				○		○

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



ORAL

SINGLE DOSE BOTTLE



PP 28

52678



Ref	ml	ml	g	PP 28	mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52678	15.0	22.0	35.0	PP 28	52.1	33.0						

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative

ORAL

TUBE AEROSOL BOTTLES



FEA 20 & GCMI 24/400



Can be customized upon request (see p. 20)

Ref	ml	ml	g		mm	mm	Type I	Type II	Type III	Type I	Type II	Type III
52527	37.0	37.0	46.0	GCMI 24/400	97.2	28.5			●			
52410	60.0	62.0	80.0	FEA 20	88.0	40.7			●			
52528	66.0	66.0	84.0	GCMI 24/400	116.5	34.9			○			
01920	75.0	75.0	93.0	FEA 20	102.1	40.3			●			
02307	150.0	150.0	159.0	FEA 20	145.2	50.0			○			

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative






ORAL

DOME AEROSOL BOTTLES



We offer two lines of aerosol bottles: Dome and Tube ranges. You can add value and security to your packaging with our plastic coating and customized printing options. Our plastic

coating is compliant with European Directive 75/324/EEC on aerosols.

Ref	ml	ml	g		 mm	 mm	Type I	Type II	Type III	Type I	Type II	Type III
02938	15.0	17.8	22.0	FEA 20	58.8	26.5			○			
50470	24.0	24.0	33.0	FEA 20	57.8	32.0			●			
50711	30.0	28.0	38.0	FEA 20	65.2	32.0			●			
52654	40.0	40.0	54.0	FEA 20	73.3	36.3			○			
01530	50.0	54.0	65.0	FEA 20	78.4	40.4			○			
50552	80.0	80.0	80.0	FEA 20	90.4	44.0			○			

● Standard item, subject to stock availability

○ Item available upon production, receipt of order, subject to minimum quantities

For more information, please contact your local representative



QUALITY POLICY

COMMITMENT

SGD Pharma is committed to improving and protecting patient's health by providing high quality, reliable and innovative primary glass packaging to our pharmaceutical customers. Patient's Health is a core value. Patients are our primary consideration in how we conduct our business.

ACCOUNTABILITIES

Management is accountable for the quality of the products and services we deliver. All employees must be fully engaged in producing the best quality required by the pharmaceutical industry.

PILLARS

Consider Customers first

- ◉ Develop a customer focused, pharma-oriented culture across the company
- ◉ Embrace client's quality expectations in everything we do
- ◉ Anticipate market trends to provide appropriate solutions
- ◉ Ensure that all SGD Pharma employees understand the customer and pharma industry needs
- ◉ Implement fast and effective action on client's quality concerns and regulatory needs

Integrate Pharmaceutical and regulatory environment

- ◉ Ensure SGD Pharma compliance to all applicable regulations
- ◉ Maintain the ISO 15378 (Good Manufacturing Practices for primary packaging) certification at all relevant locations
- ◉ Ensure that employees understand applicable regulations and norms
- ◉ Control applications of regulations and norms with appropriate depth and frequency
- ◉ Anticipate regulatory requirements evolution

Develop our talent

- ◉ All employees are fully aware of and actively involved in the Group's quality objectives
- ◉ Create the necessary conditions to develop individual skills and facilitate best practices sharing
- ◉ Assess employee's qualification and competencies, take preventive and corrective actions
- ◉ Train all employees to increase their competencies to meet quality needs

Strive toward zero defects

- ◉ Implement continuous improvement culture and tools in the entire organization
- ◉ Perform regularly Quality Reviews at site and at group level using data analysis to define quality roadmap
- ◉ Using systematic data driven problem-solving tools to increase process robustness
- ◉ Set targets to drive regular improvement of quality year on year
- ◉ Implement technologies to increase process robustness by eliminating all source of variations
- ◉ Sponsor and support new development tools, processes or technologies that lead to guaranteed "zero defects"
- ◉ Use FMEA methodology to assess risks and implement robust mitigation

A handwritten signature in blue ink, appearing to read 'C. Nicoli'.

Christophe Nicoli
Chief Executive Officer

A handwritten signature in blue ink, appearing to read 'C. Muguet'.

Christophe Muguet
Chief Operating Officer

A handwritten signature in blue ink, appearing to read 'L. Millet'.

Laurent Millet
Group Quality Director





HEALTH & SAFETY POLICY

COMMITMENT

SGD Pharma is committed to providing a safe and healthy work environment for its employees and stakeholders. There is no other goal than zero accident, zero occupational illness.

Health and safety are core values. They come prior to any other consideration in the way we conduct business.

ACCOUNTABILITIES

Line management is accountable for the prevention of injuries and occupational illness. In turn, employees and stakeholders are expected to contribute to a safe environment through discipline, visible commitment and proactive engagement with each other.

RULES

Engagement

- Line managers demonstrate their leadership in safety through goal setting, progress review, coaching, proactive field interactions, active communication, audits. They mobilize human and investment resources and relentlessly search solutions to act upon unsafe conditions and behaviors.
- Employees are all encouraged to identify unsafe conditions or processes. They are empowered to stop a task which is deemed unsafe and to take the necessary means to correct the situation.
- Each industrial facility has a formal H&S continuous improvement plan.

Risk management

- Major risks are identified and managed through Group standards and recommendations.
- In addition, each plant identifies specific hazards not covered by the Group standards.
- No work team or operator starts a job without prior Job Risk Analysis.
- Local H&S regulation compliance is regularly assessed and identified gaps are immediately corrected or address through action plans.
- Every site defines and effectively communicates emergency plans at the appropriate level (site, workshop)

Learning and progress

- Competencies and safety behavior are considered in the recruitment process. New employees are trained to work safely and to manage H&S in their area. Safety is part of the annual performance assessment. Each site has a safety training plan.
- All accidents and major near-misses are reported, including root causes analysis and corrective and preventive actions implemented. They are shared and commented across the SGD Group. They are recorded in appropriate accessible databases.

Handwritten signature of Christophe Nicoli in blue ink.

Christophe Nicoli
Chief Executive Officer

Handwritten signature of Pierre Michel Bataillard in blue ink.

Pierre Michel Bataillard
Chief Human Resources



GLOSSARY



NECK FINISH



REFERENCE



USEFUL CAPACITY



BRIMFUL CAPACITY



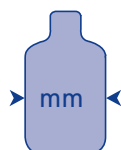
WEIGHT



NECK FINISH



OVERALL HEIGHT



DIAMETER OR DEPTH



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