



# E N S I E M O

YOUR PARTNER FOR A SAFE, QUALITATIVE & COMPLIANT PACKAGING SOLUTION



SGD Pharma is a global leader in the manufacture of high-quality glass primary packaging.

Founded in Mers-les-Bains, France in 1896, SGD Pharma has remained at the forefront of glass manufacturing technology and innovation, with a strong focus on meeting customer needs through a growing portfolio of glass products for a range of applications, across industries around the world.



Quality has always been a core value at SGD Pharma. With five ISO 15378 certified manufacturing sites located in Europe and Asia, including two sites that are newly constructed using only the latest technologies and environmental

standards, SGD Pharma produces glass products of the highest quality in volumes meeting the needs of even the fastest growing companies.

SGD Pharma offers an industry-leading range of sizes and finishes in Type I, II, or III, amber and clear glass, as well as innovative added-value services like internal siliconization or protective plastic coatings.

With an established global footprint, high-quality manufacturing sites, and a focus on leading-edge innovation, SGD Pharma is recognized worldwide as a leader that customers can rely on to support new product development, reliable on-time supply, along with best-in-class quality, regulatory and customer service support.

## SGD PHARMA KEY FIGURES

8 MILLION

VIALS AND BOTTLES PER DAY

2 BILLION

VIALS PER YEAR

9 SALES OFFICES

AROUND THE WORLD

OVER 3000

EMPLOYEES



# GLOBAL FOOTPRINT

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



## SUCY EN BRIE

Located south-east of Paris, France, SGD Pharma's Sucy-en-Brie production plant specializes in molded glass, primarily for oral applications (syrups, droppers, tablets & aerosols).

- ISO 15378 & 50001 certified plant
- 41 000 m<sup>2</sup> factory
- 3 000 m<sup>2</sup> ISO 8 clean room
- 3 million glass vials per day
- Type II & III flint and amber glass
- 2 glass furnaces



## THE CBD MARKET

The market for CBD containing products is growing rapidly across the world, with sales of CBD products expected to reach over \$2 billion in 2023, while maintaining a compounded annual growth rate (CAGR) of over 30% through 2024\*.

Having shown promising health benefits for a wide range of conditions including chronic pain, stress, anxiety, depression, sleep disorders, neurological conditions, epilepsy, multiple sclerosis, digestive issues, preventative care and more, the demand for high-quality CBD containing products continues to grow as acceptance is more widely recognized.

More than 50% of all CBD products are formulated in liquid oil or tincture formats as they can provide accurate dosing, optimal effectiveness and consumer convenience.

CBD is a naturally derived product with a complex molecular structure that is sensitive to both light and air.

CBD products require reliable, high-quality packaging solutions to preserve its multiple health benefits.

\*<https://loudcloudhealth.com/resources/cbd-statistics-infographic/>



# WHY USE GLASS PACKAGING FOR CBD PRODUCTS?

AMBER GLASS: THE PREFERRED  
PACKAGING SOLUTION FOR  
CBD (OIL) MARKET

## PRODUCT PROTECTION

- Glass material provides unrivaled barrier properties
- Optimal oxygen and light barrier
- Maintains product stability and shelf life

## USER SAFETY

- Natural glass properties
- Extremely low level of extractables compared to other materials and impermeable
- Long-established safe packaging material

## PREMIUM PERCEPTION

- Soft premium tactile qualities of glass
- Wide range of custom branding and decoration options available

## SIMPLE SUSTAINABILITY

- Infinitely recyclable
- Natural composition - 3 simple source materials: sand, limestone & soda ash
- Economical packaging option throughout the supply chain

# OUR CBD OFFERING

SGD Pharma offers a high-quality range of clear and amber bottles and dropper assemblies ideally suited for CBD 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 include 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





## TRUST IN PHARMA QUALITY

Our entire glass dropper bottle solution is produced in a pharmaceutical environment that complies with Good Manufacturing Practice (GMP) specification (ISO 15378), giving you peace of mind that your product is 100% compliant with necessary regulations.

## PHARMA-GRADE GLASS

We offer a complete regulatory package that includes:

- Compliance with United States Pharmacopeia Chapter (USP <660>) and the European Pharmacopeia (EP chapter 3.2.1)
- Compliance with heavy metals and food contact regulations

Each product is subject to rigorous risk analysis. Adequate protocols are designed to ensure integrity, pipette length and shelf life.

# FEATURES AND OPTIONS

With a wide range of dropper bottles and dropper combinations, in either clear or amber glass, SGD Pharma can provide complete packaging solutions for CBD liquid/oil products, all from one company.

## Dropper Bottles

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



## Teats / bulbs:

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

## Caps:

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

## Pipettes:

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

\*MOQ available upon request





# OUR OFFER

## 10ml



Dropper Reference



52490    10.0    14.0    26.0    DIN 18    58.0    25.4

### CHOOSE YOUR PERFECT ACCESSORIES

Reference	Closure options	Pipette shape	Pipette length (mm)	Teat/bulb material	Teat/bulb dosing	Pipette Graduation	MOQ	PACKAGING INFORMATION		
								Pcs per box	Carton per layer	Cartons per pallet
97057 10 101	CRC + TE ○	Bent ball tip 	57	TPE	1.0ml	Printed	30 000	2 500	4	20
97057 10 001						Not printed				
97057 10 111	Printed									
97057 10 011	Not printed									
97057 07 111	CRC + TE ●				0.7ml	Printed				
97057 07 011						Not printed				
97057 07 101		Printed								
97057 07 001	CRC + TE ○					Not printed				

● Stands for black color    ○ Stands for white color

CRC = Child Resistant Closure

TE = Tamper Evident







TPE = thermoplastic elastomer






# OUR OFFER

## 15ml



Dropper Reference						
52636	15.0	18.0	27.0	DIN 18	67.5	25.8

### CHOOSE YOUR PERFECT ACCESSORIES

Reference	Closure options	Pipette shape	Pipette length (mm)	Teat/bulb material	Teat/bulb dosing	Pipette Graduation	MOQ	PACKAGING INFORMATION															
								Pcs per box	Carton per layer	Cartons per pallet													
97067 10 101	CRC + TE ○	 Bent ball tip	67	TPE	1.0ml	Printed	Under request	2 000	4	20													
97067 10 001						Not printed																	
97067 10 111	Printed																						
97067 10 011	Not printed																						
97067 07 111	CRC + TE ●				 Bent ball tip	67		TPE			0.7ml	Printed	Under request	2500	4	20							
97067 07 011												Not printed											
97067 07 101											CRC + TE ○	 Bent ball tip		67			TPE	0.7ml	Printed	Under request	2500	4	20
97067 07 001																			Not printed				

● Stands for black color ○ Stands for white color

CRC = Child Resistant Closure

TE = Tamper Evident







TPE = thermoplastic elastomer





# OUR OFFER

## 30ml



Dropper Reference						
02543	30.0	35.5	44.0	DIN 18	81.1	32.4

### CHOOSE YOUR PERFECT ACCESSORIES

Reference	Closure options	Pipette shape	Pipette length (mm)	Teat/bulb material	Teat/bulb dosing	Pipette Graduation	MOQ	PACKAGING INFORMATION								
								Pcs per box	Carton per layer	Cartons per pallet						
97077 10 101	CRC + TE ○	Bent ball tip 	77	TPE	1.0ml	Printed	30 000	2 000	4	20						
97077 10 001						Not printed										
97077 10 111	Printed															
97077 10 011	Not printed															
97077 07 111	CRC + TE ●				Bent ball tip 	77		TPE			0.7ml	Printed	30 000	2 500	4	20
97077 07 011												Not printed				
97077 07 101												Printed				
97077 07 001												Not printed				

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# 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 the 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, minimizing the risk of accidental exposure to CBD products.



# BRANDING AND CUSTOMIZATION OPTIONS

The rapidly growing CBD market is a competitive space and standing out can help to push your sales to new heights.

SGD Pharma offers a range of customizable plastic coating and decoration options for its high-quality dropper bottle range that can further enhance the visual and tactile desirability of your CBD 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.





### Plastic Coating Finishes

- Frosted
- Transparent
- Opaque
- Glossy
- Mat

### Color Options

Limitless

### Plastic Coating Benefits

#### 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 dropper bottle packaging systems with the integrated ability to create distinctive designs and labelling that can set your CBD product apart from all the rest.

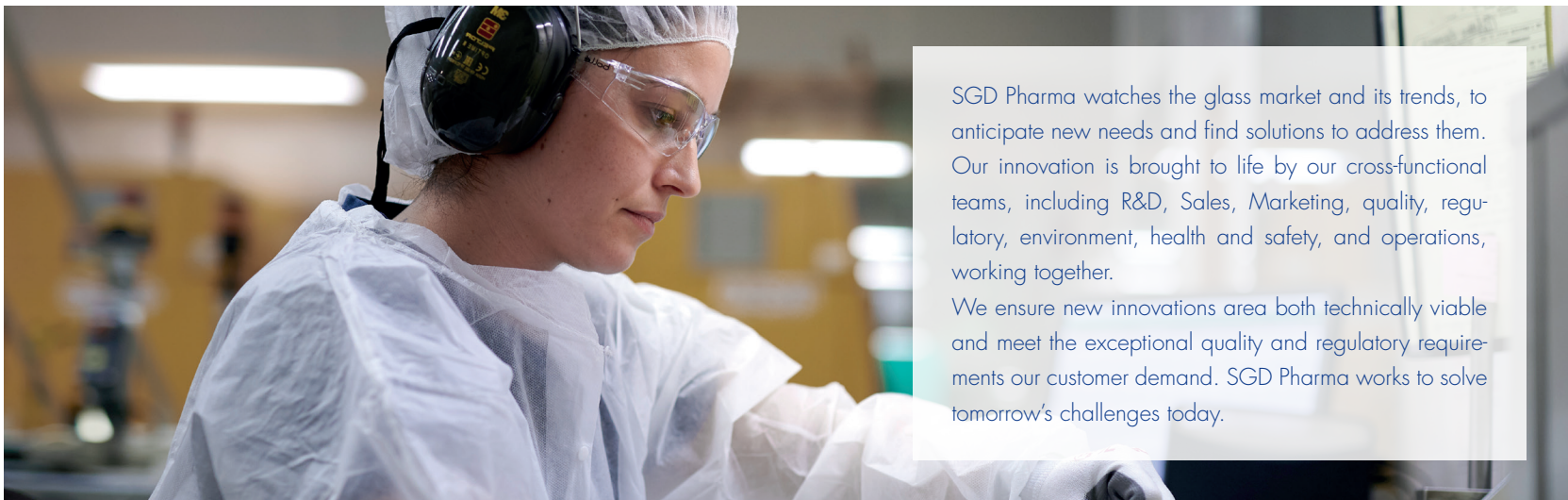




# INNOVATION & SUSTAINABILITY

## 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.

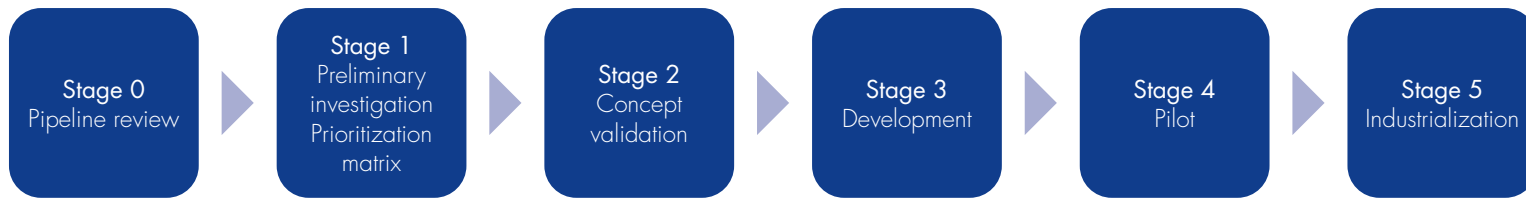


SGD Pharma watches the glass market and its trends, to anticipate new needs and find solutions to address them. Our innovation is brought to life by our cross-functional teams, including R&D, Sales, Marketing, quality, regulatory, environment, health and safety, and operations, working together.

We ensure new innovations are both technically viable and meet the exceptional quality and regulatory requirements our customer demand. SGD Pharma works to solve tomorrow's challenges today.

## A CLEAR PROCESS

All sources of inputs







## 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, safety-conscious 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 17, 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 Silver Medal for the Group, its site in Zhanjiang and its subsidiary Embelia.*

*We are ranked among the top 10% of all companies assessed in the glass industry (2019)*



*Score C for climate change and score B for supplier engagement which is the average score for our industry*



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