



Pharmaceutical Glass Experts



glass packaging portfolio

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PRIMARY GLASS PACKAGING

We deeply care about people's wellbeing

We design and manufacture **glass solutions for primary packaging**, supporting pharmaceutical companies in their mission to reach and treat patients around the world in a **sustainable** and **affordable** way.



Mission & Vision

MISSION

Where health begins

Our mission is to **support the global therapeutic supply chain** by offering solutions that enable the production and preservation of **safe, sustainable, and accessible medicines**.

Because true care begins with the quality of the tools that make it possible.

VISION

Quality that builds trust

The **quality of our products** and over 50 years of industry **experience** make us a reliable partner for pharmaceutical companies worldwide.

We believe **innovation and technology are the real drivers of progress**.

That's why we continue to invest in advanced systems, from production lines to inspection technologies, ensuring ever-higher quality standards.



RESEARCH & DEVELOPMENT

The future of healthcare starts today

We partner with pharmaceutical companies by carefully listening to their needs, embracing their vision, and aligning with their goals, while consistently striving for excellence.

SUSTAINABILITY

Close to the environment

We are committed to actively reducing our environmental impact through continuous improvement and the adoption of responsible practices. We take pride in the progress we've made so far and continue to set new goals for a more sustainable future.

Our green journey involves:

- ▶ **Renewable energy** generated with our solar power system.
- ▶ **Optimized packaging** designed to save space and reduce the impact of logistics.
- ▶ **Reduced packaging thickness** and recyclable materials to minimize waste
- ▶ **Reduced-emission logistics** through collaboration with certified partners.

QUALITY CONTROL

Seeking new solutions

Quality is the result of **optimized processes**, **advanced technologies**, and **human expertise**.

Over the years, our team has grown through careful selection, welcoming professionals from the pharmaceutical sector and related industries to continuously raise the bar on quality and reliability.



About Alphial



Pharmaceutical Glass Experts

Officially established in 2022, Alphial is built on a **solid heritage** that dates back to 1968.

In 2024, the company took a significant step forward by **acquiring two Italian firms** specializing in tubular glass ampoules, further **expanding its expertise and production capabilities**. Today, Alphial operates across **four production sites** and stands as a trusted partner in the glass packaging industry.

In 2025, Alphial became part of **SGD Pharma**, strengthening its position through integration with a global leader. This partnership combines Alphial's know-how and excellence with SGD Pharma's worldwide reach and resources, unlocking new opportunities for growth, innovation, and international collaboration.

The company's core business is the **production and distribution of primary containers** suitable for liquid, fluid and powder products and related services such as **sterilization**.

Choosing Alphial means

flexible and customer-oriented production

continuous commitment to research and development

solid presence across international markets

advanced technologies and modern production systems



Shaping the
future of care

4 plants 55 production lines 1 billion units annual capacity

With **55 production lines**, Alphial is entirely focused on the **manufacture of glass ampoules and vials**.

This extensive capacity enables us to **produce up to 4.5 million ampoules per day** and **70 million vials annually**.

For years now, all plants have been **ISO 15378** and **ISO 9001** certified.

The **Parma** site specializes in **vials production** as well as **sterilization** and **depyrogenation** services for glass packaging, performed in a controlled **LAF ISO-Class A environment**. Modern **robotic systems** minimize operator contact with the product, ensuring the highest **safety** and compliance standards. A fully equipped **chemical** and **microbiological laboratory** provides thorough quality monitoring, supported by state-of-the-art instrumentation.



About **Alphial**

Geographical footprint

headquarter

Bergamo

Via Brignano, 81
24047 Treviglio
Bergamo - Italy

Parma

P.le Vecchia Fornace, 6/A
43035 Felino
Parma - Italy

Monza

V.le delle Industrie, 14
20881 Bernareggio
Monza Brianza - Italy

Perugia

Via del Cipresso, 3
06134 Perugia
(Località Ponte
Valleceppi) - Italy





Standard ampoules

- ▶ Form B
- ▶ Form C
- ▶ Form D

Customized Ampoules

- ▶ Form E (Marzocchi)
- ▶ Double bulb

Capacity

- ▶ From 1 to 30 ml

Manufacturing capacity

- ▶ Up to 4,5 millions ampoules per day

Manufacturing sites

- ▶ **Monza plant · 14 lines**
- ▶ **Bergamo plant · 18 lines**
- ▶ **Perugia plant · 15 lines**

Our lines are equipped with:

- ▶ Automatic loading for tubing glass
- ▶ Up to 3 code rings
- ▶ Colour break
- ▶ OPC
- ▶ Score break
- ▶ Printing
- ▶ Camera dimensional checks
- ▶ Camera printing checks

Standard vials

- ▶ ISO 13 AND 20
- ▶ GL 14, 18, 22
- ▶ FEA 13, 15, 18
- ▶ SCREW NECK (PFP, EUR)

Customized Vials

- ▶ Double snap
- ▶ Spray pump
- ▶ Blowback

Capacity

- ▶ From 1 to 60 ml

Manufacturing capacity

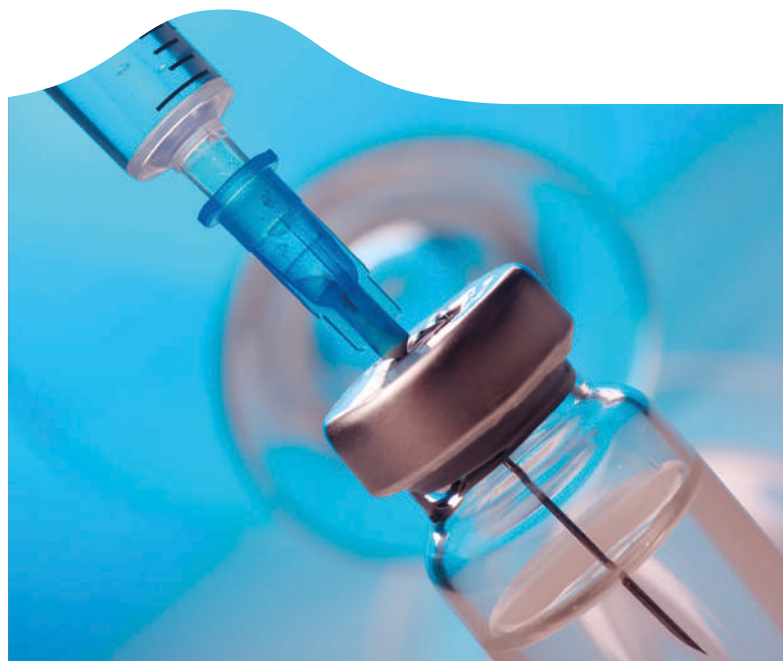
- ▶ Up to 300.000 pcs per day

Manufacturing sites

- ▶ **Parma plant · 8 lines**

Our lines are equipped with:

- ▶ Automatic loading for tubing glass
- ▶ Cameras for dimensional checks
- ▶ Cameras for cosmetic checks
- ▶ Printing
- ▶ Clean room
- ▶ Automatic packaging system
- ▶ Equipments for inner coatings (Ammonium Sulphate, silicone)



Sterilization services



We supply sterile, **pyrogen-free (Ready-To-Use)** glass vials designed to simplify and optimize the production processes of pharmaceutical and biochemical companies.

By eliminating the need for **washing, depyrogenation, and sterilization**, RTU vials help reduce time, costs, and operational complexity, offering a safe, ready-to-fill solution.

Full service

For those seeking a complete solution, from vial production to sterilization and packaging.

- ▶ **Design & manufacturing** of standard or customized vials, produced in-house at our facilities.
- ▶ **Sterilization** in our clean room, using state-of-the-art processes to ensure sterility and pyrogen-free results.
- ▶ **Packaging** designed to maintain sterility and product integrity during transport and storage.
- ▶ **Accessories:** we offer a range of **closures** including chlorobutyl rubber stoppers (ISO 13 and ISO 20) in double-bag.

Contract sterilization

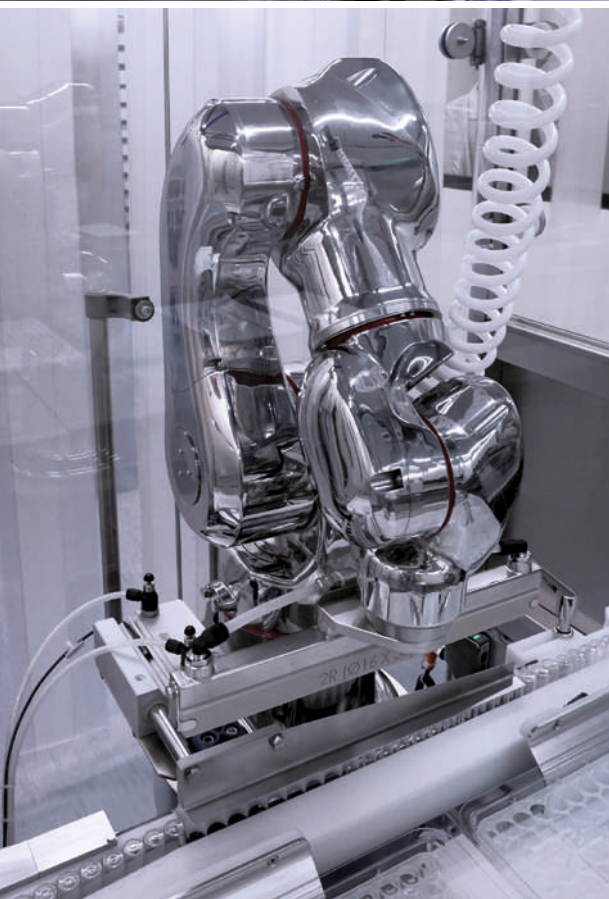
For clients who already manufacture their own vials and only require washing and sterilization services.

- ▶ **LW7** washing service, for clean glass packaging, free from particles and residues.
- ▶ **LS5** our innovative solution designed to offer pharmaceutical companies sterile, pyrogen-free primary packaging.



Sterile vials production plant

- ▶ **Glass vial washing** in two dedicated washing lines located in **Clean Room Class C**
- ▶ **Sterilization & Depyrogenation** via static oven or tunnel, **from ISO 7 to ISO 5 – Class A**
- ▶ **Aseptic packaging area under LAF in Clean Room Class A**, surrounding Class B
- ▶ **Secondary packaging area in Clean Room Class C**
- ▶ **W.F.I. Production** by thermocompression distiller



LW7 washing



LW7

STANDARD PYROGEN FREE
PACKAGING INNOVATION

LW7 is our **vials washing service** designed for companies that require **clean glass packaging, free from particles and residues, but not sterilized.**

Washing takes place in a classified **ISO 7 environment** and follows a rigorous process:

- ▶ Bulk production
- ▶ Washing with WFI (water for injection) – 83°
- ▶ Blowing with filtered air (0.20µ)
- ▶ Static oven (60 minutes at 150°)
- ▶ Packaging in ISO 5 conditions
- ▶ GMP conditions
- ▶ Visible and subvisible particle count
- ▶ LAL and Bioburden test on WFI

This solution helps **reduce post-filling rejections and the need for extensive lab testing.**





LS5

STERILE AND PYROGEN FREE
PACKAGING INNOVATION

LS5 is our innovative solution designed to offer pharmaceutical companies **sterile, pyrogen-free primary packaging** at accessible costs.

Why choose LS5?

**Sterile and
pyrogen-free**

10^{-6}

sterility level

**Safe
treatments**

0%

EtO

**Certified
processing**

ISO 5
GRADE A

environment

**Eco-friendly
packaging**

-40%

impact

Guaranteed sterility without ethylene oxide

All products are **washed** in an ISO 7 (Grade C) environment, **depyrogenated**, and **packed** in ISO 5 (Grade A) conditions.

Sterilization is achieved using only heat and water for injection, **without the use of ethylene oxide (EtO)***.

*EtO is not only ineffective in guaranteeing pyrogen-free results, but is also a carcinogenic and mutagenic substance that poses health risks if not expertly handled.

LS5 sterilization



Glass ampoules



GLASS AMPOULES | TYPE B



ISO 9187-1 Shape B

1st Hydrolitical class glass
 ø min 10,75 / max 22,50
 color or score break/code
 ring/opc/printing/
 ammonium sulphate/silicone

Customizations:

- ▶ Silk-screen printed with 1 color.
- ▶ Internal and external treatments with silicone.
- ▶ Internal treatment with ammonium sulfate.

SKU	Glass Ampoules Type B
Standard Colors	Clear glass - Amber glass
ø	min 10,75 / max 22,50

GLASS AMPOULES | TYPE C



ISO 9187-1 Shape C

1st Hydrolitical class glass
 ø min 10,75 / max 22,50
 color or score break/code
 ring/opc/printing/
 ammonium sulphate/silicone

Customizations:

- ▶ Silk-screen printed with 1 color.
- ▶ Internal and external treatments with silicone.
- ▶ Internal treatment with ammonium sulfate.

SKU	Glass Ampoules Type C
Standard Colors	Clear glass - Amber glass
ø	min 10,75 / max 22,50

GLASS AMPOULES | TYPE D



ISO 9187-1 Shape D

1st Hydrolitical class glass
 ø min 10,75 / max 22,50
 color or score break/code
 ring/opc/printing/
 ammonium sulphate/silicone

Customizations:

- ▶ Silk-screen printed with 1 color.
- ▶ Internal and external treatments with silicone.
- ▶ Internal treatment with ammonium sulfate.

SKU	Glass Ampoules Type D
Standard Colors	Clear glass - Amber glass
ø	min 10,75 / max 22,50

GLASS AMPOULES | TYPE E



Shape E

1st Hydrolitical class glass
 ø min 10,75 / max 22,50
 color or score break/code
 ring/opc/printing/
 ammonium sulphate/silicone

Customizations:

- ▶ Silk-screen printed with 1 color.
- ▶ Internal and external treatments with silicone.
- ▶ Internal treatment with ammonium sulfate.

SKU	Glass Ampoules Type E
Standard Colors	Clear glass - Amber glass
ø	min 10,75 / max 22,50

Glass vials



VIALS | DIN-ISO8362 – 2R/3R/4R

Customizations:

- ▶ Silk-screen printed with 1 color;
- ▶ Internal and external treatments with silicone;
- ▶ Internal treatment with ammonium sulfate.



SKU	DIN/ISO 8362 - 2R/3R/4R
Standard Colors	Clear glass - Amber glass
Ø	16
H	35 - 40 - 45
ml	2 - 3 - 4

VIALS | DIN-ISO8362 – 6R/8R

Customizations:

- ▶ Silk-screen printed with 1 color;
- ▶ Internal and external treatments with silicone;
- ▶ Internal treatment with ammonium sulfate.



SKU	DIN/ISO 8362 - 6R/8R
Standard Colors	Clear glass - Amber glass
Ø	22
H	40 - 45
ml	6 - 8

VIALS | DIN-ISO8362 – 10R/15R

Customizations:

- ▶ Silk-screen printed with 1 color;
- ▶ Internal and external treatments with silicone;
- ▶ Internal treatment with ammonium sulfate.



SKU	DIN/ISO 8362 - 10R/15R
Standard Colors	Clear glass - Amber glass
Ø	24
H	45 - 60
ml	10 - 15

VIALS | DIN-ISO8362 – 20R/25R/30R

Customizations:

- ▶ Silk-screen printed with 1 color;
- ▶ Internal and external treatments with silicone;
- ▶ Internal treatment with ammonium sulfate.



SKU	DIN/ISO 8362 - 20R/25R/30R
Standard Colors	Clear glass - Amber glass
Ø	30
H	55 - 65 - 75
ml	20 - 25 - 30

Custom glass vials

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VIALS | SCREW NECK

Screw neck finish

Screw neck vials provide excellent sealing and are the ideal solution for most applications.



VIALS | SPECIAL NECK

On demand

Special neck vials can be made upon request to meet any specific need. Contact us and discover the endless possibilities of our customizations.

ISO 9001

ISO 9001 15378



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: CERT-00985-96-AD-BOL-SINCERT Initial certification date: 21 May 1996 Valid: 25 October 2021 - 24 October 2024

This is to certify that the management system of
Alphial S.r.l.
 P.le Vecchia Fornace, 6/a, San Michele Gatti - 43035 Felino (PR) - Italy
 and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
Manufacture of glass tubes ampoules and vials for pharmaceutical.
 (IAF: 15)

Place and date:
 Vercinate (MB), 11 January 2023




For the issuing office:
 DNV - Business Assurance
 Via Energy Park, 14 - 20071 Vercinate (MB) - Italy



Claudia Baroncini
 Management Representative

Link of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
 ACCREDITED UNIT (DNV Business Assurance Italy S.r.l., Via Energy Park, 14 - 20071 Vercinate (MB) - Italy - TEL: +39 02 96 966 - www.dnv.it



MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 277832-2018-G-ITA-DKV Initial certification date: 24 October 2019 Valid: 25 October 2021 - 24 October 2024

This is to certify that the management system of
Alphial S.r.l.
 P.le Vecchia Fornace, 6/a, San Michele Gatti - 43035 Felino (PR) - Italy
 and the sites as mentioned in the appendix accompanying this certificate

Has been found to conform to the Management System standard:
ISO 15378:2015

This certificate is valid for the following scope:
Manufacture of glass tubes ampoules and vials for pharmaceutical.
 (IAF: 15)

Place and date:
 Vercinate (MB), 11 January 2023




For the issuing office:
 DNV - Business Assurance
 Via Energy Park, 14 - 20071 Vercinate (MB) - Italy



Claudia Baroncini
 Management Representative

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 CERTIFIED UNIT (DNV Business Assurance Italy S.r.l., Via Energy Park, 14 - 20071 Vercinate (MB) - Italy - TEL: +39 02 96 966 - www.dnv.it

Certifications



Pharmaceutical Glass Experts



Facilities

Bergamo plant

Via Brignano, 81
24047 Treviglio
Bergamo
Italy

Parma plant

P.le Vecchia Fornace, 6/A
43035 Felino
Parma
Italy

Monza plant

V.le delle Industrie, 14
20881 Bernareggio
Monza Brianza
Italy

Perugia plant

Via del Cipresso, 3
06134 Perugia
(Località Ponte Valleceppi)
Italy