

# TUBULAR VIALS AND AMPOULES







SGD Pharma is a global leader in glass pharmaceutical primary packaging. We offer a wide range of molded vials as well as tubular vials and ampoules.

Our customers benefit from our expert know-how and our best-in-class manufacturing footprint, producing over 8 million vials and bottles per day. All our plants are ISO 15378 certified.

With 9 sales offices and a wide distribution network, SGD Pharma is recognized worldwide as a key player. We establish a long-term relationship with our customers. Our high-level service covers new product development, day-to-day delivery, quality and regulatory affairs.



SGD Pharma Vermula is part of SGD Pharma. The offer includes Type I neutral borosilicate glass primary packaging for pharmaceutical and biological companies.

Tubular packaging made of Type I glass compliant with USP and EP requirements is manufactured and released in accordance with GMP standards. SGD Pharma India provides full regulatory support to facilitate pharmaceutical products registration.

Containers are delivered worldwide thanks to a strong supply chain organization, which guaranties delivery consistency as well as full traceability.

# State-of-the-art facility

## Best in class equipment

- Tubular containers conversion European machines
- Visual and dimensional control machines
- International level QC laboratory

## Quality, to meet pharmaceutical requirements

- SGD Pharma India focuses on the processability of vials for the benefit of its customers
- ISO 8 clean room environment for maximum cleanliness

## Compliance

- GMP standards state-of-the-art facility covered by DMF
- Certified according to ISO 15378
- Compliant with European and US Pharmacopoeias

## International Quality Management

- Strict quality management system to ensure the highest quality level to our clients and patient safety
- SGD Pharma India adheres to the global guidelines & specifications of SGD Pharma



● Brand new facility

- Certified ISO 15378
- Dedicated to Parenteral products offering molded and tubular containers in Type I glass

• Part of the SGD Pharma group

- International quality level
- Packaging under clean room conditions
- ISO 8 clean room environment

## Using the best raw materials and world-class

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

## AMPOULES

- Wide variety as per the ISO 9187-1 (Color Break Ring) & -2 standards (One Point Cut)
- Custom-made design as per customer's request
- Optional ring coding
- Optional printing
- Hydrolytic Resistance compliant with Pharmacopoeia to minimize the interaction between the drug and the ampoule

Nominal capacity (ml)	Body diameter Ø (mm)	Height of body (mm)	Height of constriction (mm)	
1	10.75	21	25.5	
2	10.75	33	37.5	
3	12.75	35	39.5	
5	14.75	41	46.5	
10	17.75	55	62	
20	22.5	65	76	

## Available in forms B, C and D

The total height varies according to the ampoule form. Please refer to our catalog and website for the complete product range.

# technology



## VIALS

- Complete range as per the ISO 8362-1 standard
- Custom-made design as per customer's request
- Blow Back (EU and US standards)
- Bottom optimization for lyophilization process
- Crimp neck and screw neck finishes
- Insulin vials
- Narrow dimensional accuracy monitored by on-line camera inspection
- Optional cosmetic flaws inspection with high-level camera system
- Optional on-line sulphur coating for specific requirements
- Hydrolytic Resistance compliant with Pharmacopoeias to minimize interaction between the drug and the vial

## ISO range

Reference	Nominal capacity (ml)	Brimful capacity (ml)	Diameter Ø (mm)	Thickness (mm)	Height (mm)	Standard neck-finish
2R	3.4	4	16	1	35	13
4R	4.8	6	16	1	45	13
6R	8.3	10	22	1	40	20
8R	9.8	11	22	1	45	20
10R	11.5	13.5	24	1	45	20
15R	17.3	19	24	1	60	20
20R	21.7	25	30	1.2	55	20
25R	27	30	30	1.2	65	20
30R	33	36	30	1.2	75	20
50R	49	58	40	1.5	73	20
100R	75	116	47	1.7	100	20

## Wherever you need us

## WE ARE THERE FOR YOU



#### FRANCE

Headquarters & sales office

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