

# JINAN SNAIL INTERNATIONAL CO.,LTD

济南思耐尔国际贸易有限公司



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## COMPANY PROFILE

### 公司简介

Jinan Snail International Co.,Ltd is specializing in the manufacturing and sales of pharmaceutical glass package,including tubular glass vials for injection, cartridges bottles, pre-filled syringe, borosilicate glass tubes, silicified bottles, sterilized bottles, medicinal glass ampoules, moulded bottles, tablet bottles, personal care related glass bottles, etc.

The production process of all products is strictly in accordance with the ISO9001:2008 quality system standard.

They are the first choice for packaging of pharmaceuticals for biologics, lyophilized, vaccines and blood preparation.

The company is based on products that are satisfactory to customers, with after-sales product service guarantees, and builds up brand with intention of customers' trust.

Every year we provide innovative products and solutions to more than 300 domestic and foreign customers, most of which are famous pharmaceutical companies, using our products to millions every day. The company's market covers Asia, America and Eastern Europe, and is committed to developing high-quality pharmaceutical packaging products to achieve product upgrades and overseas market expansion, becoming an important member of the global pharmaceutical packaging industry.

We warmly welcome customers to come and negotiate cooperation, and we are committed to mutually beneficial cooperation with domestic and international merchants,aiming for joint development and creating brilliance together.



## GLASS AMPOULE

- Produced from Type I glass tubing supplied by leading glass tube manufacturer.
- Available in clear and amber.
- Range of ampoules from 1ml to 30ml.
- CBR(colour break ring) or OPC(One point Cut) opening.
- Up to 2 code rings can be applied for identification purposes.
- Ceramic prints are available with a wide range of heavy metal free colours.
- Packaging in clean-room conditions in fiber-free cartons or PP boxes.
- Size Type: type B, typeC, type D.
- Standard: YBB standard or ISO standard.


ISO Form B Glass Ampoule

	Body		Constriction	Bulb	Stern	Total height	To constriction		To gauging point	Body height	Centre of constriction to bulb	Raius	Depth of base	Body wall thickness		Stern at gauging
	Nom.	Tol.	±0.50	±0.50	±0.35	±0.50	Nom.	Tol.	±2.00	min.	max.	±0.50	Nom.	Nom.	Tol.	±0.05
1ml	10.75	±0.15	6.50	8.50	6.00	60.00	25.50	±0.50	47.00	21.00	4.50	1.00	1.00	0.50	±0.03	0.37
2ml	10.75	±0.15	6.50	8.50	6.00	72.00	37.50	±0.50	57.00	33.00	4.50	1.00	1.00	0.50	±0.03	0.37
5ml	14.75	±0.17	7.00	9.00	7.00	83.00	46.50	±0.50	68.00	41.00	5.50	1.50	1.00	0.55	±0.04	0.40
10ml	17.75	±0.20	7.50	9.50	7.10	102.00	62.00	±1.00	87.00	55.00	6.00	2.00	1.25	0.60	±0.04	0.47
20ml	22.50	±0.25	8.50	12.00	7.80	113.00	76.00	±1.30	100.00	65.00	6.50	2.50	1.50	0.70	±0.04	0.5



## GLASS CARTRIDGE

- ▶ **Material:** COE5.0/COE7.0 pharmaceutical neutral borosilicate glass tube.
- ▶ **A set of cartridge:** Glass barrel, rubber plunger, aluminum cap with seal inside.
- ▶ **Application:** For insulin and anesthetic and sedation drugs etc.
- ▶ **Package:** PP tray and cartons.
- ▶ **Color:** Clear.

							
Size	Out Diameter(mm)	Height(mm)	O.D(mm)	I.D(mm)	I.D(mm)	H(mm)	O.D(mm)
1.5ml	8.65	57	7.15	3.15	7.45	4.9	7.3
1.8ml	8.65	63					7.3
3.0ml	11.6	62.3					9.95
4.0ml	11.65	79.4	7.15	3.15	7.45	4.9	10.85



## GLASS SYRINGE

- ▶ **Application:** For drug packaging, storage, and direct injection.
- ▶ **Sizes:** 1ml, 2.25ml, 3ml, 5ml, 10ml Luer or Luer Lock.
- ▶ **Package:** Nest box, EO sterilized.
- ▶ **RTU:** Siliconized, sterilized, ready to use.

Components	Material	Quality Standard	Type	Supplier
Glass Barrel	Neutral Borosilicate Glass	According to SFDA Standard/ YBB00062004-2015	D:10.85±0.1mm, ID:8.65±0.09mm,L:150CM	SCHOTT AG(Germany)
Needle Shield	Polyisoprene	According to SFDA Standard/ YBB00062004-2015	7028/55GREY	WEST(France)
Rubber Stopper	Chlorinated/Brominated Butyl Rubber	According to SFDA Standard/ YBB00082004-2015,YBB00072004-2015	PH701/50C black 4023/50 4432/50	WEST(USA)
Needle	Stainless Steel 304(AISI304)	According to SFDA Standard/ YBB00062004-2015	25G/26G/27G	Saito Medical Industries(Japan), Shandong Qiaopai Group(China), Zhejiang Kandelai Medical DevicesCo.,Ltd(China)
Plunger Rod	Polystyrene			Produce under 10000 grade purification plant
Adhesive	Two methacrylic acid grease		7041	HOENLE(Germany)
Lubricant	Silicon Oil		1000CST	DOW CORNING(USA)
Sterile Bag	Tyvek			DUPONT(USA)





## RTU TUBULAR VIAL

\*Made from neutral borosilicate glass Washed with injection water Sterilized with Ethylene Oxide.

### Advantages Of SNAIL's Sterile Injection Vial

- 1. Made of medicinal borosilicate glass tubes with high boron content.
- 2. SNAIL adopts advanced tube bottle firing technology, and the inner surface water resistance meets level 1.
- 3. Specifications: 2-30ml, other specifications can be customized.
- 4. Produce matching medical bottle caps, including aluminum caps and aluminum-plastic caps.
- 5. Specialized in the production of sterile medium borosilicate glass tube injection bottles, GMP standardized management, advanced automated production equipment to ensure stable and uniform product quality.
- 6. Bottle washing workshop cleanliness level: C + A.

### Process And Inspection

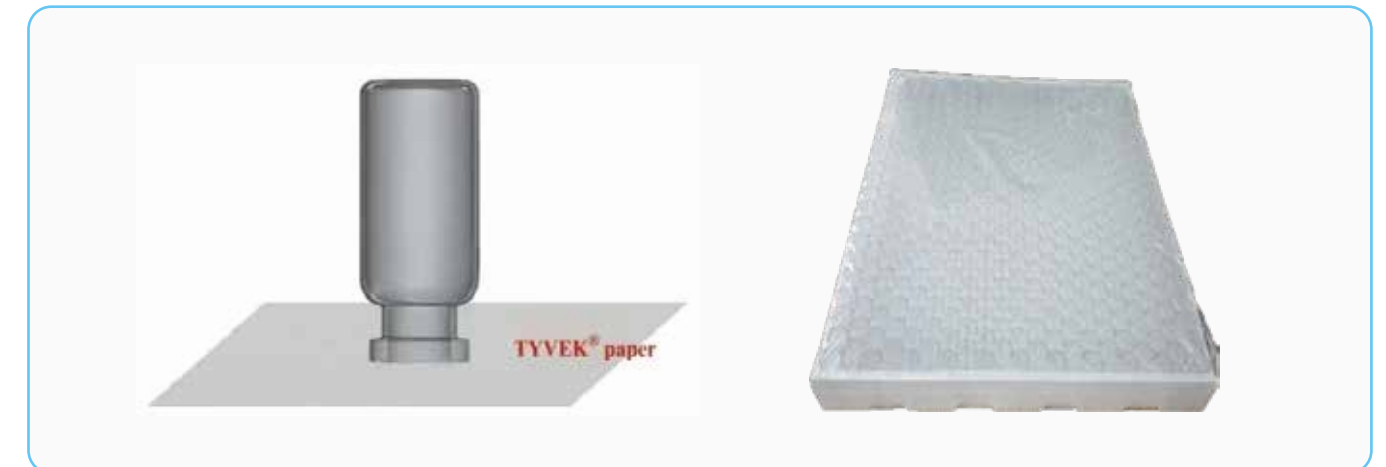
- 1. Packaging Selection: NEST BOX packaging and PP BOX packaging.
- 2. Bottle Washing Water: injection water.
- 3. Drying Equipment: high temperature sterilization tunnel oven.
- 4. The mouth of the sterile bottle contacts the sterile TYVEK paper, and the sterile TYVEK paper is used for heat sealing.
- 5. Seal the nest box/PP box and put it into the sterile bag and seal it.
- 6. Style Method: ethylene oxide sterilization, color change label inspection.
- 7. The inspection equipment is complete and can be used for sterility, endotoxin, and insoluble particles testing.

### Package solution I- Nest box



### Package solution II- PP box

\*Mouth down on the TYVEK paper, to prevent bacteria Whole package EO sterilized.



### Sterilized Caps and Rubber Stopper



## GLASS VIAL

- ▶ **Type:** Injection vials, tablet vials, screwed neck vials.
- ▶ **Standard:** ISO standard or customized specification.
- ▶ **Printing:** Customized printing available.

Specification		ml	2R	4R	6R	8R	10R	15R	20R	25R	30R
Tube O.D.	d1	mm	16		22		24		30		
Crown O.D.	d2	mm	13		20						
Max. Neck Diamter	d3	mm	10.5		16		16.5		17.5		
Neck I.D.	d4	mm	7		12.6						
Overall L.	h1	mm	35	45	40	45	45	60	55	65	75
Vial Top H.	h3	mm	8		8.5		9		10		
Crown H.	h4	mm	3.6								
Tube W.T.	s1	mm	1						12		
Min. Bottom Th.	s2	mm	0.7								



## MOULDED GLASS BOTTLE

- ▶ **Application:** For antibiotics and other powder crude drugs.
- ▶ **Color:** Clear and Amber.
- ▶ **Package:** Corrugated cartons, pallets.

Size	Height without cap	Diameter	Neck Size	Bottle Color	USP
7ml	40.8mm	22.10mm	ISO 20mm	Clear,Amber	Type I,II,III
8ml	46.8mm	23.0mm	ISO 20mm	Clear,Amber	Type I,II,III
10ml	53.5mm	25.4mm	ISO 20mm	Clear,Amber	Type I,II,III
15ml	58.8mm	26.5mm	ISO 20mm	Clear,Amber	Type I,II,III
20ml	58.0mm	32.0mm	ISO 20mm	Clear,Amber	Type I,II,III
30ml	62.8mm	36.0mm	ISO 20mm	Clear,Amber	Type I,II,III
50ml	73.0mm	42.5mm	ISO 20mm	Clear,Amber	Type I,II,III
100ml	94.5mm	51.6mm	ISO 20mm	Clear,Amber	Type I,II,III



## RUBBER STOPPER

- **Specifications:** 13mm, 20mm, 24mm, 26mm, 28mm, 32mm, 34mm.
- **Material:** Butyl rubber.
- **Color:** Grey or customized.
- **Sterilization:** Ethylene oxide (EO) sterilization.
- **Packaging:** Sterilized bag and cartons.



## ALUMINUM CAP

- **Specifications:** 13mm, 20mm, 28mm, 32mm.
- **Standard:** ISO standard.
- **Color:** Any color available.
- **Customization:** Logo and text can be printed.





## ALUMINUM PLASTIC CAP

- **Specifications:** 13mm, 20mm, 28mm, 32mm.
- **Standard:** ISO standard.
- **Color:** Any color available.
- **Customization:** Logo and text can be printed.



## TABLET GLASS BOTTLE

Capacity(ml)	Height(mm)	O.D(mm)	Weight(g)	Mouth(mm)
60	77.0	44.0	73.0	33
75	83	45	82	38
100	88	50	92	38
120	95	53	110	38
150	100	56	122	45
200	110	62	145	45
250	120	65	170	45
300	130	69	210	53
400	140	75	225	53
500	150	82	270	53



## DROPPER BOTTLE

- **Material:** Silicone Nipples/dropper/perforation.
- **Size:** 5ml, 10ml, 15ml, 20ml, 30ml, 50ml, 100ml.
- **Color:** Amber Clear blue green customized.
- **Usage:** Essential oil bottle, medical bottle, health care bottle, etc.
- **LOGO:** Silver/Golden Hot Stamping, Screen Printing, etc.
- **Packing details:** Cartons with Blocks, Shrinking Film&Pallet.

Capacity(ml)	Height(mm)	O.D(mm)	Weight(g)	Mouth(mm)
10	58.0	24.8	27.0	18
15	65.0	28.5	35.0	18
30	78.8	33.0	48.0	18
50	92.2	37.0	55.0	18
100	112.0	44.5	88.0	18



## SYRUP GLASS BOTTLE

Capacity(ml)	Height(mm)	O.D(mm)	Weight(g)	Mouth(mm)
20	81.0	29.0	45.0	28
30	88.5	30.0	50.0	28
60	94.5	38.6	62.0	28
100	120.7	44.3	110.0	28
120	119.0	48.0	110.0	28
130	140.5	46.2	123.0	28
150	151.0	49.5	140.0	28

