



# Catalog of Glass Test Tube

## 1. About us

Jinan Youlyy is a branch company of Youlyy Industrial Co., Ltd, devoting safe and reliable pharmaceutical packaging products and has more than 16 years of exporting experience.

Our main products: Neutral glass tubes, tubular glass vials, glass ampoules, glass test tubes, flip off caps, aluminum seals, rubber stoppers, prefilled syringes.

Jinan Youlyy company attach importance to product quality, have a good quality management system, production management fully in line with the requirements of GMP, Youlyy have ISO15378, CE, SFDA, ISO9001, ISO14001 certificates.

Jinan Youlyy always provide customers with high-quality service, professional, high efficiency, responsible is our service core.

Jinan Youlyy guarantee reliable products, competitive prices and comprehensive service. Our products have been exported to many countries, such as France, Germany, England, Greece, Turkey, Russia, Ukraine, Romania, Moldova, Egypt, South Africa, Nigeria, Israel, Iran, Saudi Arabia, Pakistan, India, Bangladesh, Thailand, Vietnam, Singapore, Malaysia, Australia, New Zealand, Korea, Canada, Mexico, Cuba, Chile, Brazil, and Argentina, gaining great popularity and having a good reputation from our customers.

We welcome customers from all over the world to visit and audit our factory, looking forward to cooperating with you.

## 2. Why us

**Production experience**-----more than 20 years

**Export experience**-----more than 16 years

**Certificates**-----GMP, CE, SFDA, ISO9001, ISO14001

**Service**-----professional, efficient, responsible

**Quality**-----good and reliable

**Safe**-----High level trade assurance(USD582000) from Alibaba ensures the safety of your order!

We spent the majority of our career in pharmaceutical packaging, we have a deep understanding of the requirements for productive process and quality control system by GMP standard.



### 3. Contacts

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### 4. Our Factory





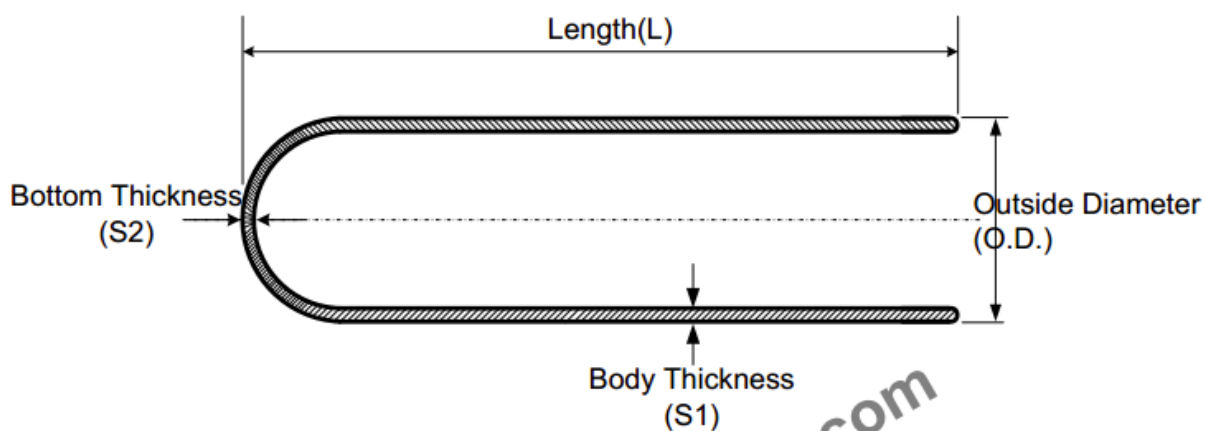
## 5. Material of Glass Test Tube

For the material of Glass Test Tube, we have three types, one is low borosilicate glass, another one is high borosilicate glass, the third is neutral borosilicate glass .please check the difference from the following form:

		High borosilicate glass	Neutral borosilicate glass	Low borosilicate glass
Chemical Composition	SiO <sub>2</sub>	81±0.5	75±0.5	70-72
	B <sub>2</sub> O <sub>3</sub>	13±0.5	11±0.5	6-6.8
	Al <sub>2</sub> O <sub>3</sub>	2±0.5	5.4±0.5	4.0-5.0
	BaO	\	0.5±0.2	1.5-3.0
	CaO	\	0.5-1.5	2.0-3.0
	Na <sub>2</sub> O	4±0.5	6.5±0.5	7.0-8.0
	K <sub>2</sub> O		0.5±0.2	4.0-5.0
	As <sub>2</sub> O <sub>3</sub> +Sb <sub>2</sub> O <sub>3</sub>	\	0.1µg/g	0.005
	PbO	\	0	0.1
	MgO	\	0.08	0.1
Physical Properties	Thermal expansion coefficient (20-300℃, ×10 <sup>-6</sup> /℃) , ASTM E228	3.2-3.4	4.8-5.0	6.9-7.1
	Annealing point℃ Log η =13	550-570	530-550	520-550
	Softening point ℃ Log η=7.6	810-830	779-783	700-720
	Stress change point ℃ Log η=14.5	520	520	515
	Density g/c m <sup>3</sup> ASTM C729	2.21-2.25	2.31-2.32	2.24-2.53
Chemical Properties	Water-resistance	USP Type I	USP Type I	USP Type I
	Acid-resistance (DIN 12116)	USP Type I	USP Type I	USP Type I
	Alkali-resistance (ISO 730)	USP Type II	USP Type II	USP Type II



## 6. Glass Test Tube Drawing



Glass Test Tube:			
Spec.	O.D. (mm)	L (mm)	S1 (mm)
6×50	6.0 ±0.2	50.0 ±0.5	0.8 ±0.05
8×50	8.0 ±0.2	50.0 ±0.5	0.8 ±0.05
10×75	10.0 ±0.2	75.0 ±0.5	0.9 ±0.05
12×75	12.0 ±0.2	75.0 ±0.5	0.9 ±0.05
13×100	13.0 ±0.2	100.0 ±0.5	0.9 ±0.05
16×150	16.0 ±0.25	150.0 ±0.5	1.0 ±0.05
18×150	18.0 ±0.25	150.0 ±0.5	1.0 ±0.05
20×150	20.0 ±0.25	150.0 ±0.5	1.1 ±0.05
25×200	25.0 ±0.25	200.0 ±0.5	1.1 ±0.05

**The shape and dimensions are customized**





## 7. Flat Bottom Glass Test Tube





## 8. Round Bottom Glass Test Tube





## 9. Packing Glass Test Tube

