



BONA PHARMA Stand Together, Deliver Health

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Company Profile

Founded in Shenzhen, China in 1995, Shenzhen Bona Pharma Technology Co., Ltd is the leading professional manufacturer committed to drug delivery systems. BONA products have been used globally by clients in more than 70 countries including Europe, North America, South America, Asia, Oceania and Africa markets.

BONA has a cGMP compliant plant with 26,766.8 square meters manufacturing factory equipped with latest technology, having one(1) million pcs nasal/oral/topical spray pumps and 350,000.0pcs eye drop bottles daily production capability. Bona is devoted to ensure that it delivers and fulfills its commitments to the fullest. BONA products are developed and manufactured based on the ISO15378:2017, ISO14001, CFDA, US FDA, EUP regulations. The factory has established an edge over its competitors enabling it to become the industry benchmark relying on strong innovative ability, big production capacity, short lead time, strict quality management system, reliable product quality and efficient after-sales service.

BONA insists on win-win cooperation and offers convenient, efficient & reliable business for clients. We always dedicate to create a better future for clients worldwide. 'Stand Together, Deliver Health'.

R&D Capability

Market Research

* Customers and new needs are the direction of innovation. Our expertise team keeps thinking ahead and watching on market requests & patient expectation. Dedicate to providing user friendly, ergonomic and innovative primary drug delivery systems with high level microbiological safety.

Raw Materials Validation

* Although our primary packaging materials working well with wide range of liquid, viscosities, suspensions formulations etc, we have been implementing fully discussing customer requirements, dosing forms, drug characteristics and raw materials compatibility testing before projects activated. Derisk in advance and optimise new products development.

Design, Development and Industrialization

* More than 35 passionate and professional scientists, experts and engineers devoting themselves to concept generation, devices design, moulds development, prototyping, industrialization. Spray pattern, droplet size distribution, plume geometry etc can be tested inside factory. Keeping pursuit of continuous quality improvement, processes optimization.



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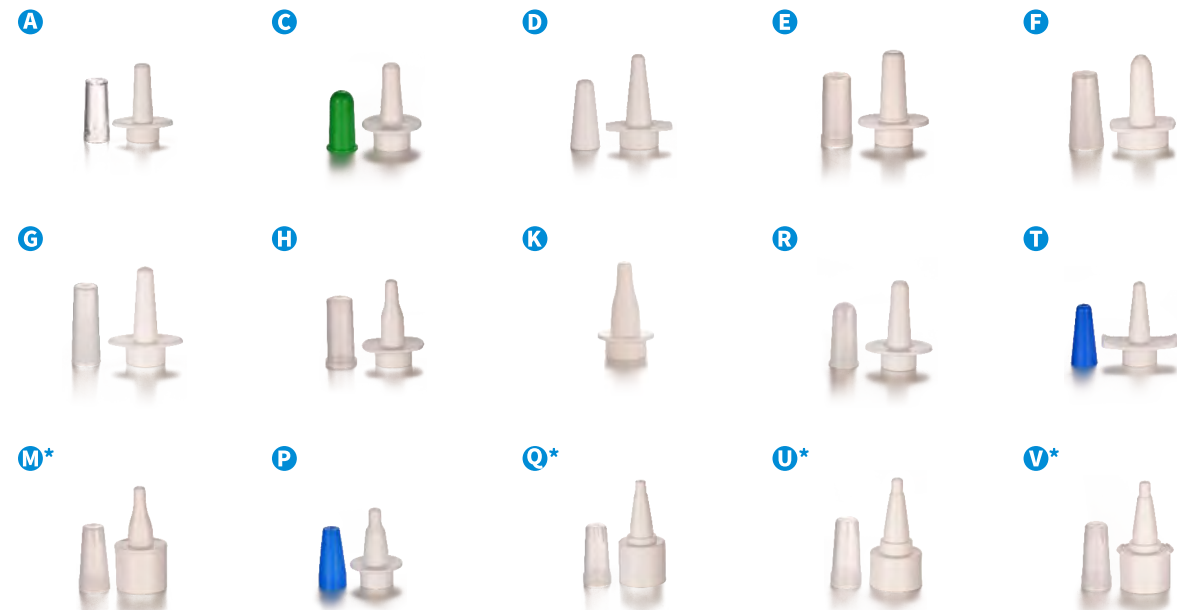
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Nasal Spray Pumps

Multi-dose Nasal Spray Pumps



Optional Nasal Actuators



* Crimp on only

Main Parameters:

Dosage: 45mcl to 220mcl
Compatible neck size: 18/410, 18/415, 18GL, 18TE, 18DIN, 20/410, 24/410 for screw-on
20mm for snap-on
20mm for crimp-on

Key Features:

Precise dosage, excellent spray atomization
Universal and modular design, stable performance & anti-clogging
Fully physical & chemical validation, high level microbiological safety
Comply with CP, EP, USP food & drug direct contact regulations
US DMF# 031363

Oral Spray Pumps

Multi-dose Oral Spray Pumps



Optional Oral Actuators



* Crimp on only

Main Parameters:

Dosage: 45mcl to 220mcl
Compatible neck size: 18/410, 18/415, 18GL, 18TE, 18DIN, 20/410, 24/410
for screw-on
20mm for snap-on
20mm for crimp-on

Key Features:

Precise dosage, excellent spray atomization
Universal and modular design, stable performance & anti-clogging
Fully physical & chemical validation, high level microbiological safety
Comply with CP, EP, USP food & drug direct contact regulations
US DMF# 031364

Topical spray Pumps

Multi-dose Topical Spray Pumps

Main Parameters:

Dosage: 45mcl to 220mcl
Compatible neck size: 18/410, 18/415, 18GL, 18TE, 18DIN, 20/410, 24/410 for screw-on
20mm for snap-on
20mm for crimp-on

Key Features:

Precise dosage, excellent spray atomization
Universal and modular design, stable performance & anti-clogging
Fully physical & chemical validation, high level microbiological safety
Comply with CP, EP, USP food & drug direct contact regulations

Optional Topical Actuators



Ear Spray pumps

Multi-dose Ear Spray Pumps

Optional Ear Actuators



Main Parameters:

Dosage: 45mcl to 220mcl
Compatible neck size: 18/410, 18/415, 18GL, 18TE, 18DIN, 20/410, 24/410 for screw-on
20mm for snap-on
20mm for crimp-on

Key Features:

Precise dosage, excellent spray atomization
Universal and modular design, stable performance & anti-clogging
Fully physical & chemical validation, high level microbiological safety
Comply with CP, EP, USP food & drug direct contact regulations



Closures

Screw on



Dosage (mcl)	45 100	50 110	65 120	67 130	70 140	78 150	85 170	90 180	200	220
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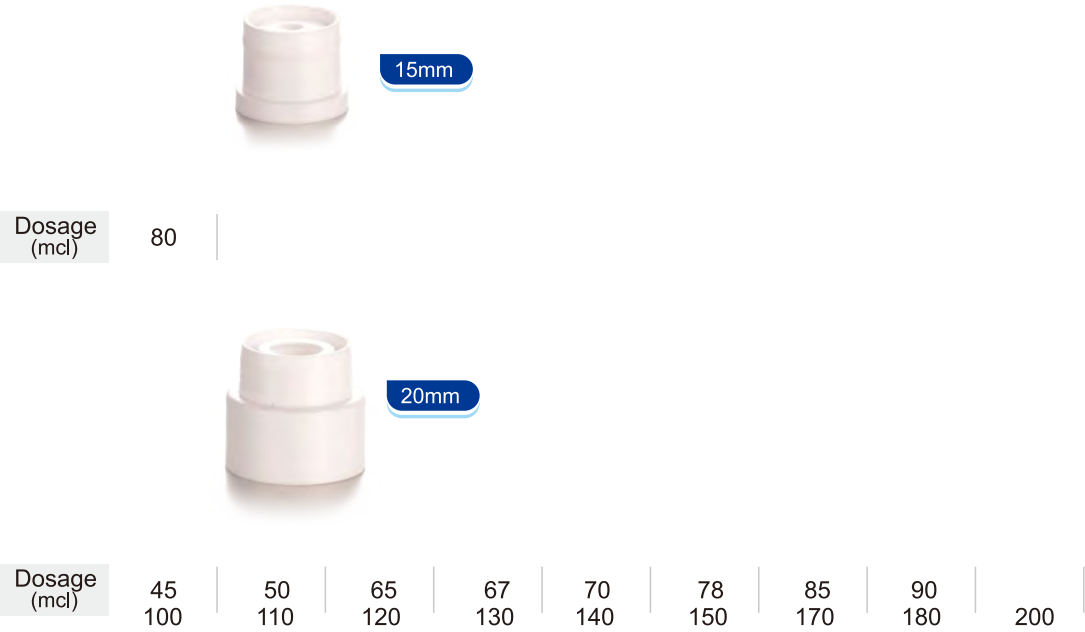
Dosage (mcl)	45 100	50 110	65 120	67 130	70 140	78 150	85 170	90 180	200
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Dosage (mcl)	100	143	170
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Closures

Snap on



Crimp on



Innovation & Patented Products



Child Resistant Nasal Pump

- Key Features:
- Comply with 16CFR1700.20
 - Tamper-evident closure
 - 15ml and 30ml HDPE bottle are available
 - Invention Patented in China, USA, Europe and Korea



Preservative Free Nasal Pump

- Key Features:
- Air filter membrane
 - Air filter compatible with medicine solution
 - 0.14ml dosage available
 - Invention Patented in China, USA, Europe and Korea



Preservative Free Eye Drop Bottle

- Key Features:
- Air filter membrane
 - Passed microbiological challenging test
 - 5ml, 7ml, 10ml volume available

Pulmonary

Pressurized Metered Dose Inhaler(pMDI)

- Droplet size: <5um
- Valve stem size Ø2.8mm, Ø3.0mm, Ø3.16mm
- Applicable to 10ml, 14ml and 19ml canisters
- Available dosage: 25mcl, 35mcl, 50mcl, 63mcl, 75mcl, 100mcl, 130mcl
- Accurate dosage
- ISO15378 Certified, CE and US FDA approval
- Compatible with HFA solution and suspension formulation
- Aerodynamic tests can be performed
- Materials comply with CP, EP, USP food & drug direct contact regulations
- Customized design and development available



NO#	Components	Inhaler capacity(ml)	Height(mm)	L*W(mm)	Weight(g)	Materials	Neck size(mm)	Total Height(mm)	Item code
1	Valve	10	27.4	21.0*21.0	3.2	PP	20	81.3	BONA20PMDI
	Cap	14	15.6	28.4*17.8	1.3	PP			
	Housing	19	81.3	43.0*28.4	8.3	PP			
2	Cap	3# capsule	55.2	33.8*23.2	8.4	Medical ABS	18	68.8	BONA20NDPI
	Inhaler		67.3	39.8*21.4	13.6	Medical ABS			

Dry Powder Inhaler(DPI)

- Applicable to capsule 3#
- Single dose
- Conformatable design and easy to use
- ISO15378 Certified, CE and US FDA approval
- Device used for COPD and Asthma treatment medicine
- Aerodynamic tests can be performed
- Materials comply with CP, EP, USP food & drug direct contact regulations
- Customized design and development available



Ophthalmic

NO#	Components	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	L*W (mm)	Weight (g)	Materials	Neck size (mm)	Total Height(mm)	Item code
1	Cap	5	8	30.0	20.5*20.5	1.6	PP	15	52.9	BONA5664AAC
	Dropper			20.4	11.6*11.6	0.6	PP			
	Bottle			39.8	21.0*21.0	2.3	LDPE			
2	Cap	10	12	30.0	20.5*20.5	1.6	PP	15	63.5	BONA5662A6C
	Dropper			20.4	11.6*11.6	0.6	PP			
	Bottle			49.8	22.3*22.3	3.0	LDPE			
3	Cap	5	10	28.0	19.4*19.4	1.64	PP	15	57.8	BONA4R0399F
	Dropper			16.2	10.9*10.9	0.43	PP			
	Bottle			43.3	20.0*20.0	2.93	LDPE			
4	Cap	5	10	30.4	20.1*20.1	1.8	HDPE	14	56.7	BONA5722A6C
	Dropper			18.7	12.5*12.5	0.5	LDPE			
	Bottle			43.6	21.3*21.3	2.3	PP			
5	Cap	5	10	30.4	20.1*20.1	1.8	HDPE	14	56.7	BONA5722A6C
	Dropper			18.7	12.5*12.5	0.5	LDPE			
	Bottle			43.6	21.3*21.3	2.3	PP			
6	Cap	10	15	20.1	14.6*14.6	1.4	PP	12	57.8	BONA4R0295F
	Dropper			16.1	9.7*9.7	0.4	PE			
	Bottle			46.8	39.0*18.2	3.6	PET			
7	Cap	9	11	28.0	19.5*19.5	1.6	PE	15	64.7	BONA4R0397F
	Dropper			16.2	11.1*11.1	0.5	PE			
	Bottle			52.0	22.0*22.0	3.8	PE			
8	Cap	15	17	28.0	19.5*19.5	1.6	PE	15	81.9	BONA4R0398F
	Dropper			16.2	11.1*11.1	0.5	PE			
	Bottle			69.9	22.6*22.6	4.9	PE			



Main Parameters:

- Bottle volume: 5ml, 9ml, 10ml, 15ml
- Materials: HDPE, LDPE, PP, PET
- Key features:
- Tamper evident cap design
- Produced in Class D and Class C+A clean rooms
- Fully physical & chemical validation, high level microbiological safety
- Optional sterilization: EO, E-beam & Gamma irradiation
- Comply with CP, EP, USP food & drug direct contact regulations

Gynaecology & Proctology

NO#	Components	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	L*W (mm)	Weight (g)	Materials	Neck size (mm)	Total Height(mm)	Item code
1	Applicator	50	55	102.7	23.0*23.0	4.9	PP	20	144	BONA5775A6E
	Bottle			68.3	45.8*45.8	7.0	LDPE			
2	Applicator	100	114	102.7	23.0*23.0	4.9	PP	20	185.5	BONA5539ABE
	Bottle			97.5	52.0*52.0	15.2	LDPE			
3	Applicator	500	520	108.2	34.4*34.4	9.5	PP	30	233.2	BONA5530A6V
	Bottle			141.9	88.0*88.0	54.0	LDPE			
4	Applicator	150	160	79.3	22.4*22.4	2.7	PE	20	190	BONA4R0271F
	Bottle			121.5	49.7*49.7	16.0	LDPE			
NO#	Dose form	Capacity(g)	Length(mm)	Diameter(mm)	Materials	Item code				
5	Gel	3	81.2	12.3	PP	BONA4G0023F				
6	Gel	5	91.0	12.0	PP	BONA4G0006F				
7	Gel	10	101.5	16.0	PP	BONA4G0026F				
8	Gel	5	97.2	19.1	LDPE	BONA4G0045F				

Main Parameters:

Neck size: 20mm, 30mm

Douche bottle volume: 50ml, 100ml, 150ml, 500ml

Gel applicator & tube: 3g, 5g, 10g

Materials: HDPE, LDPE, PP

- Key features:
- Comfortable design with smooth applicator surface to avoid self-injury
 - Compatible with gel and cream
 - Non skin sensitization, non-toxic and non-irritating
 - Vaginal applicator can be prefilled
 - Comply with CP, EP, USP food & drug direct contact regulations



Bottle

Main Parameters:

Neck size: 20mm

Compatible with snap-on, crimp-on closure

Bottle capacity: 10ml, 15ml, 20ml, 30ml, 40ml, 50ml

Material: HDPE

Produced in class D clean room

Comply with CP, EP, USP food & drug direct contact regulations



NO#	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	Diameter (mm)	Weight (g)	Materials	Neck size (mm)	Item code
1	10	16	49.0	25.8	4.7	HDPE	20	BONA5692ABC
2	15	20	55.0	25.3	4.5	HDPE	20	BONA5646ABC
3	20	26	52.0	30.7	5.0	HDPE	20	BONA5642ABC
4	20	24	64.4	25.3	4.4	HDPE	20	BONA5645ABC
5	30	34	64.3	30.5	6.1	HDPE	20	BONA5639ABC
6	40	44	65.4	35.0	7.0	HDPE	20	BONA5669ABC
7	50	62	70.4	40.0	8.7	HDPE	20	BONA5675ABC

Main Parameters:

Neck size: 18mm(18/415,18TE), 20mm(20/410, 50ml, 60ml, 100ml)

Compatible with screw-on closure

Bottle capacity: 7ml, 10ml, 15ml, 20ml, 25ml, 30ml, 50ml, 60ml, 100ml

Material: HDPE

Produced in class D clean room

Comply with CP, EP, USP food & drug direct contact regulations



NO#	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	Diameter (mm)	Weight (g)	Materials	Neck size (mm)	Item code
S-1	7	11	45.5	21.8	3.0	HDPE	18/415	BONA5521ABE
S-2	10	14	51.5	23.6	4.0	HDPE	18/415	BONA5638ABC
S-3	15	19	60.2	24.3	4.0	HDPE	18/415	BONA5629ABE
S-4	20	22	58.7	27.3	5.0	HDPE	18/415	BONA5434ABE
S-5	20	24	66.7	25.7	4.6	HDPE	18/415	BONA5676A6C
S-6	25	30	65.8	30.0	5.9	HDPE	18/415	BONA5585A6A
S-7	30	33	67.5	31.5	6.2	HDPE	18/415	BONA5592ABE
S-8	10	12	45.2	37.4*29.8	9.0	HDPE	18TE	BONA5515BTE
S-9	30	38	73.0	31.4	6.9	HDPE	18TE	BONA5530BTE
S-10	50	57	82.5	35.3	8.5	HDPE	20/410	BONA5679A6C
S-11	60	77	93.0	35.3	9.1	HDPE	20/410	BONA5455ABE
S-12	100	106	107.8	41.3	15.5	HDPE	20/410	BONA5609ABE

Bottle

Main Parameters:

Neck size, 18mm(18/415), 20mm(20/410), 24mm(24/410), 25mm, 28mm

Compatible with screw-on closure

Bottle capacity: 10ml, 15ml, 20ml, 30ml, 50ml, 60ml, 100ml, 120ml

Materials: PET

Produced in class D clean room

Comply with CP, EP, USP food & drug direct contact regulations



NO#	Components	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	Diameter (mm)	Weight (g)	Materials	Neck size (mm)	Total Height(mm)	Item code
1	Bottle	10	14	48.7	24.2	4.7	PET	18/415	48.7	BONA5720AID
2	Bottle	15	19	61.5	24.2	6.0	PET	18/415	61.5	BONA5714ABD
3	Bottle	20	23	68.7	24.5	6.2	PET	18/415	68.7	BONA5676AID
4	Bottle	30	34	79.6	28.0	8.2	PET	18/415	79.6	BONA5678AID
5	Bottle	50	56	81.9	34.6	10.5	PET	20/410	81.9	BONA5704AID
6	Bottle	60	63	82.6	36.2	10.5	PET	20/410	82.6	BONA5683AJD
7	Bottle	100	118	102.0	45.0	16.0	PET	24/410	102.0	BONA5759AJD
8	Cap	100	118	21.0	28.0	2.8	PET	25	98	BONA4R0218F
	Bottle			97.0	48.2	16.3	PET			
9	Dose cup	120	134	33.0	39.9	3.2	PET	28	144	BONA4R0310F
	Cap			24.3	31.3	4.2	PET			
	Bottle			137.9	49.6*34	22.6	PET			

Bottle

Main features:

Bottle shape and volume can be customized

Universal and compatible with 18/415, 20/410 and 24/410 closure spray pumps

Produced in class D clean room

Comply with CP, EP, USP food & drug direct contact regulations



NO#	Components	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	L*W (mm)	Weight (g)	Materials	Neck size (mm)	Total Height(mm)	Item code
1	Cap	15	20	69.4	25.2*25.2	4.6	PP	18/415	107.0	BONA4P00390
	Bottle			58.2	25.5*25.5	4.4	HDPE			
2	Cap	15	30	28.5	18.8*18.8	1.4	PP	16	89.5	BONA5527ABE
	Dropper			27.6	12.0*12.0	0.9	PE			
	Dip tube			84.0	3.2*3.2	0.5	PE			
	Bottle			71.7	21.7*46.0	6.7	LDPE			
3	Cap	15	35	27.8	20.0*20.0	1.85	LDPE	14	89.0	BONA5520ADP
	Dropper			19.3	11.5*11.5	0.65	HDPE			
	Bottle			74.8	38.4*27.0	7.50	HDPE			
4	Cap	20	26	69.4	25.2*25.2	4.6	PP	18/415	107.3	BONA4P00320
	Bottle			57.8	30.3*30.3	5.7	HDPE			
5	Cap	15	20	67.8	37.1*29.2	6.8	PP	18/415	87.9	BONA5654ABC
	Bottle			41.3	30.2*37.8	4.0	HDPE			
6	Cap	25	30	70.9	34.9*26.8	5.9	PP	18/415	94.1	BONA5511ABE
	Bottle			38.6	29.0*36.5	7.4	HDPE			
7	Cap	30	36	70.9	34.9*26.8	5.9	PP	18/415	103.4	BONA5312ABE
	Bottle			76.3	29.0*36.0	8.2	HDPE			
8	Cap	80	98	74.9	47.5*34.9	9.6	PP	20/410	131.1	BONA5499ABE
	Bottle			103.5	27.3*49.6	16.0	HDPE			
9	Cap	200	250	39.2	29.6*29.6	1.4	PP	24	161.2	BONA4R0238F
	Dropper			27.1	28.5*28.5	4.7	PP			
	Dip tube			149.1	9.1*9.1	4.8	PE			
	Bottle			134.9	58.6*58.6	24.7	LDPE			
10	Cap	120	135	54.4	42.3*42.3	8.86	PP	24/410	157.2	BONA5520ABE
	Bottle			126.3	43.0*43.0	20.4	LDPE			
11	Cap	100	125	46.8	37.5*37.5	6.4	PP	20/410	153.4	BONA5516A6E
	Bottle			125.5	37.8*37.8	14.8	LDPE			
12	Cap	80	87	46.8	37.5*37.5	6.4	PP	20/410	132.0	BONA5581ALE
	Bottle			104.0	38.0*38.0	13.8	LDPE			
13	Cap	50	70	46.8	37.5*37.5	6.4	PP	20/410	112.0	BONA5531ABE
	Bottle			84.3	38.0*38.0	12.1	LDPE			
14	Cap	30	39	46.8	30.3*30.3	5.9	PP	20/410	103.5	BONA5524ABE
	Bottle			74.0	31.0*31.0	7.6	LDPE			

Tablet Bottle



Main features:

- Bottle capacity: 25ml, 30ml, 70ml, 100ml
- Material: HDPE for bottle
- HDPE, HDPE: LDPE, PP for cap
- Child resistant cap and tamper evident cap
- Produced in Class D clean room
- Suitable for Capsule, Tablet and Powder
- Comply with CP, EP, USP food & drug direct contact regulations
- US DMF# 030606
- Customized design and development available

NO#	Components	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	Diameter (mm)	Weight (g)	Materials	Neck size (mm)	Total Height(mm)	Item code
1	Cap	25	30	13.0	30.8	2.50	HDPE	28	52.7	BONA5620ABN
	Bottle			50.5	32.1	5.54	HDPE			
2	Cap	30	41	26.4	36.4	5.2	HDPE:LDPE	32	59.5	BONA5626ABE
	Bottle			57.4	37.0	8.8	HDPE			
3	Cap	70	91	17.1	44.0	6.8	PP	38	70.0	BONA5008A6E
	Bottle			66.1	49.0	14.6	HDPE			
4	Cap	100	128	17.7	46.2	7.6	PP	40	88	BONA5658ABC
	Bottle			83.9	50.3	18.9	HDPE			

Vaccine Applicator

Main features:

- 1ml single-dose for oral vaccine
- 1ml innovative syringe pattern flu vaccine sprayer
- Optional sterilization: EO, E-beam & gamma irradiation.
- Produced in class D, Class C+A clean room
- Comply with CP, EP, USP food & drug direct contact regulations.



NO#	Components	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	L*W (mm)	Weight (g)	Materials	Neck size (mm)	Total Height(mm)	Item code
1	Single dose vial	1	2	57.0	105.6*11.0	6.0	LDPE	5.8	57.0	BONA3265AAA
2	Syringe sprayer	0.2	0.5	114.8	20.3*18.5	5.5	PP+COP	6.7	114.8	BONA3221SSA

Reagent Bottle

Main features:

Bottle capacity, 20ml, 40ml, 62ml, 500ml, 1L, 5L, 10L

Material HDPE for bottle and PP&PE for cap

Produced in class D clean room

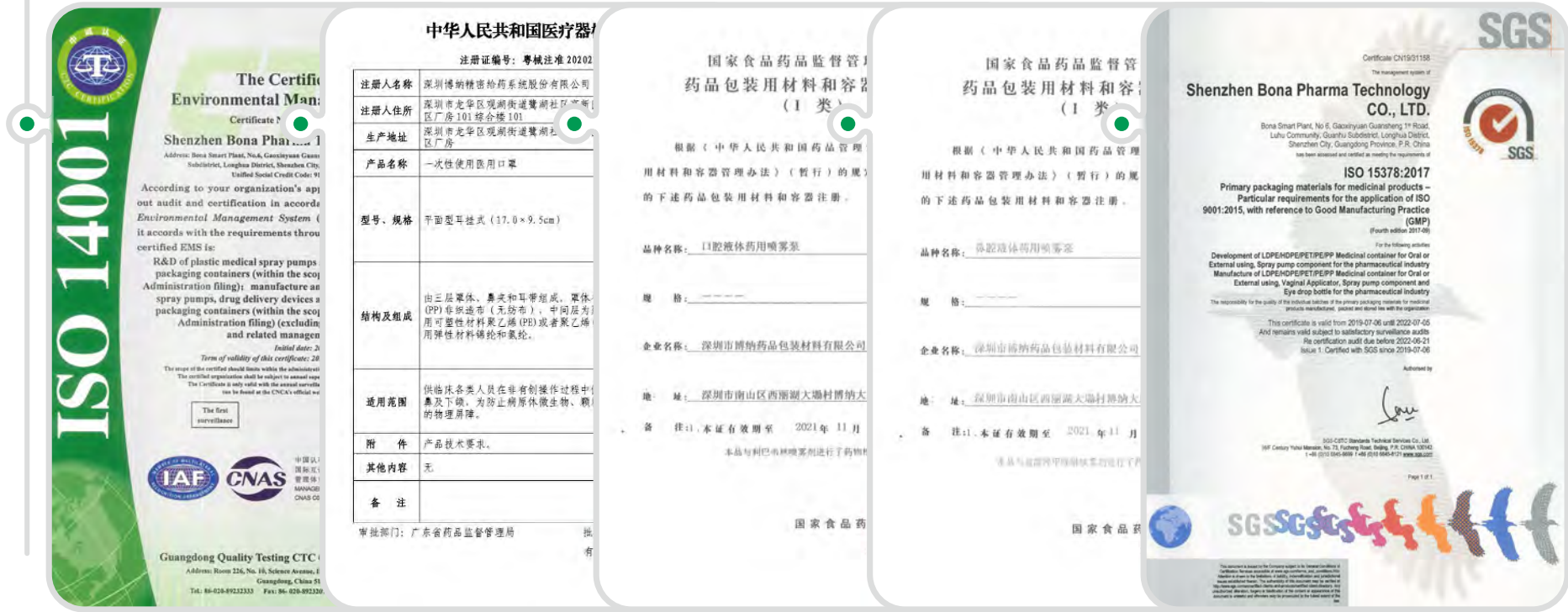
Comply with CP, EP, USP food & drug direct contact regulations.



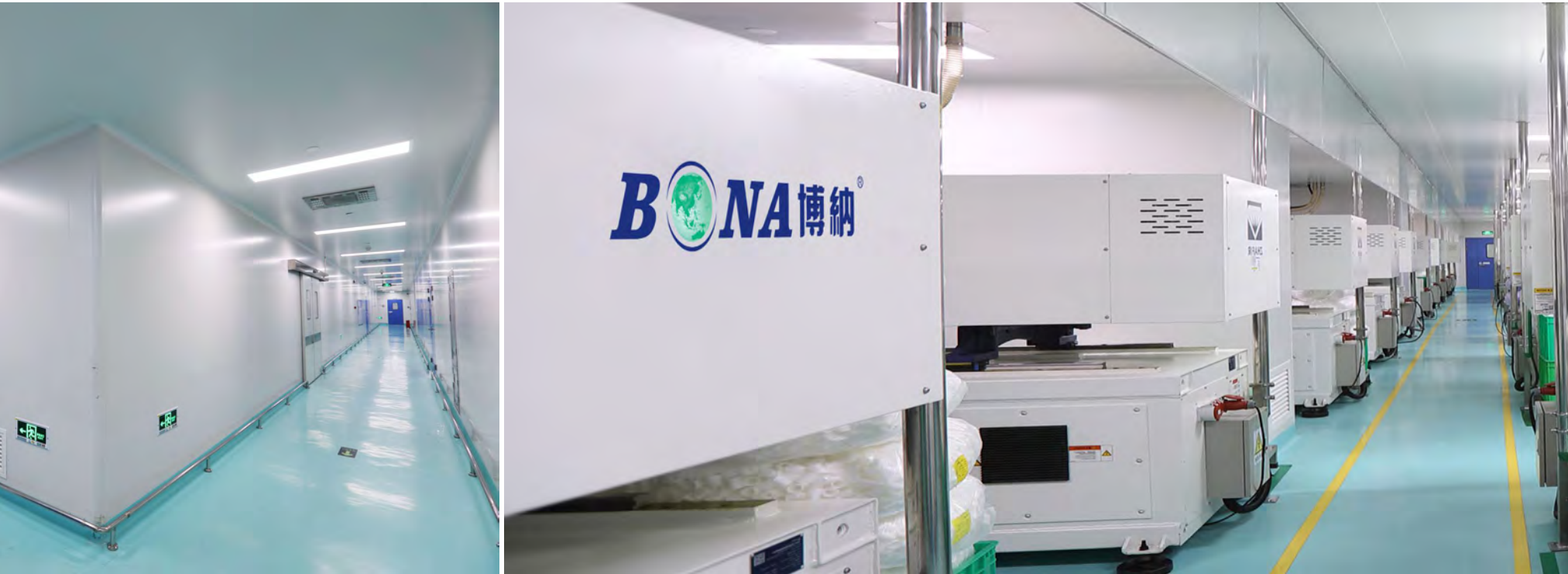
NO#	Components	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	L*W (mm)	Weight (g)	Materials	Neck size (mm)	Total Height(mm)	Item code
1	Cap	62ml	66	10.9	20.5*20.5	1.3	PP	18	57.0	BONA5749AIE
	Bottle			97.9	79.3*17.6	19.8	HDPE			
2	Cap	40ml	48	10.9	20.5*20.5	1.3	PP	18	99.9	BONA5484AIE
	Bottle			97.7	44.4*19.4	9.5	HDPE			
3	Cap	20ml	27	8.9	16.0*16.0	0.7	PP	13	10.6	BONA4R0206F
	Bottle			101.0	23.7*23.7	6.0	HDPE			
4	Cap	500ml	571	31.6	40.0*40.0	8.0	PP	36	189.5	BONA5317ABE
	Bottle			187.5	65.0*65.0	80.0	HDPE			
5	Cap	1L	1070	31.6	40.0*40.0	8.0	PP	36	189.0	BONA5058ABE
	Bottle			188.0	90.0*90.0	108.0	HDPE			
6	Cap	5L	5120	31.6	40.0*40.0	8.0	PP	35	332.0	BONA5777ABE
	Bottle			329.5	240.0*105.0	320.0	HDPE			
7	Outer Cap	10L	11000	24.3	51.4*51.4	7.1	PP	48	340.0	BONA5454A6E
	Inner Cap			1115.0	44.7*44.7	3.4	PE			
	Bottle			338.0	225.0*188.0	518.0	HDPE			
8	Bottle	0.7ml	0.75ml	29.85	10.0*10.0	0.56	PS	10.0	29.85	BONAEXTCM01

Qualification

- Certified by ISO15378:2017 and ISO14001
- Audited by third authorized organization twice each year
- CFDA certified manufacturer of pharmaceutical packaging materials and medical devices
- Fully chemical & physical validation before projects activated
- Appearance, size and function tests are performed in certainied time during production
- Microbial limitation test implemented & approved before goods released
- Production batch records are kept for five years and can be traced each order



Production Capability



- * 30,149.52 SQM workshop
- * 10,819.0 SQM clean room
- * Class C+A, Class D clean rooms
- * 80 injection moulding
- * 14 injection blow moulding
- * One(1) million pumps per day
- * Three hundred and Fifty (350) thousand eye drops bottles per day

Invention & Utility Patents

