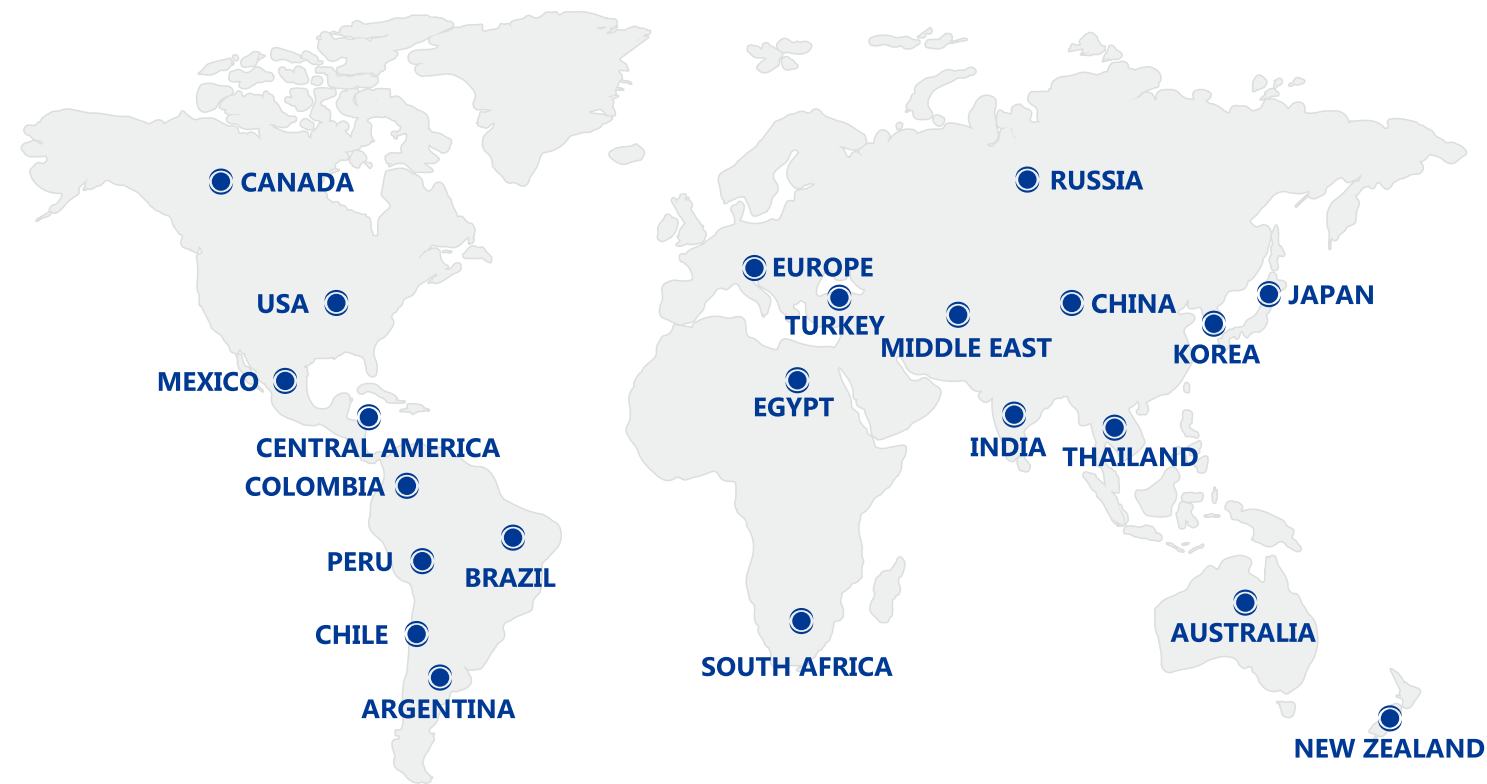




BONA PHARMA Stand Together, Deliver Health

Headquarter & Plant:

Bona Smart Plant, No. 6 Guansheng 1st Road, Guanhu Street, Longhua District, Shenzhen City, Guangdong Province, P.R. china

Sub-Plant:

Bona Bldg, No. 263, 2nd Dakan Village, Xili Town, Nanshan District, Shenzhen City, Guangdong Province, P.R. China

Tel:+86-755-2699 4208 Fax:+86-755-26527737

E-mai: sales2@bona-cn.net

Website: www.bona-cn.com



Company Profile

Shenzhen Bona Pharma Technology Co., Ltd is the leading professional manufacturer of pharmaceutical primary packaging and drug delivery system in China. The company has constantly been growing since its foundation in 2003.

BONA products are developed and manufactured based on the ISO9001, ISO45001, ISO15378, ISO13485, ISO14001, CFDA, US FDA, EU regulations and have been sold billions of times around the world, global reach to more than 90 countries located in Europe, North America, South America, Asia, Oceania and Africa. BONA has a cGMP compliant plant with a daily capacity of 1.5million unit metered dose spray pumps and 500,000sets of eye droppers, owning 84,299.46 square meters manufacturing factory equipped with state-of-the-art technology.

The factory has established an edge over its competitors enabling it to become the industry benchmark relying on strong innovative ability, large 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 are always dedicated to 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 expectations, dedicates to providing user-friendly, ergonomic and innovative primary drug delivery systems with high level microbiological safety.

Raw Materials Validation

* Although our primary packaging materials are compatible with a diverse range of liquids, viscosities, suspensions, and formulations, we prioritize comprehensive discussions with our customers before initiating any projects. We tailor our approach based on their specific requirements, including dosing forms, drug characteristics, and raw material compatibility testing. This proactive strategy enables us to mitigate risks effectively and optimize the development of new products.

Design, Development and Industrialization

* More than 80 passionate and professional scientists, experts and engineers devoting themselves to concept generation, devices design, molds development, prototyping, industrialization. Spray pattern, droplet size distribution and plume geometry, etc. can be tested inside factory. Keeping pursuit of continuous quality improvement and process optimization.



Portfolios

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Nasal Spray Pumps

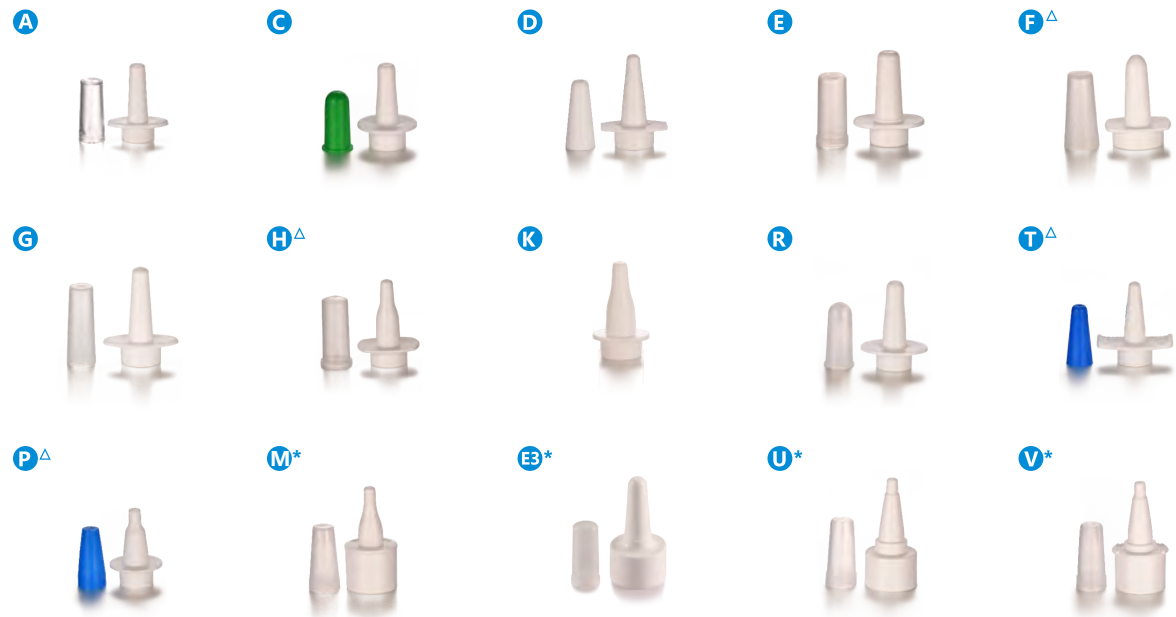
Multi-dose Nasal Spray Pumps



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

Optional Nasal Actuators



* Crimp on only

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# 036525
CE Certificate

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# 036525
CE Certificate

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#036525
CE Certificate



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
US DMF#036525
CE Certificate



Closures

Screw on



Closures

Snap on

15mm

Dosage (mcl)

80

20mm

Dosage (mcl)

25 100 | 45 110 | 50 120 | 65 130 | 67 140 | 70 150 | 78 170 | 85 180 | 90 200 | 220

Crimp on

20mm/G1

Dosage (mcl)

25 100 | 45 110 | 50 120 | 65 130 | 67 140 | 70 150 | 78 170 | 85 180 | 90 200 | 220

20mm/G2

Dosage (mcl)

25 100 | 45 110 | 50 120 | 65 130 | 67 140 | 70 150 | 78 170 | 85 180 | 90 200 | 220

20mm/G3

Dosage (mcl)

25 100 | 45 110 | 50 120 | 65 130 | 67 140 | 70 150 | 78 170 | 85 180 | 90 200 | 220

Innovation & Patented Products



Child Resistant Nasal Spray 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



Snap On Child Resistant Nasal Spray Pump

- Key Features:
- Comply with 16CFR1700.20
- Dosage : 50mcl,100mcl
- Diverse Capacity and Materials Bottle Optional
- Snap-on Closure



Preservative Free Nasal Spray Pump

- Key Features:
- 0.22µm Air Filter Membrane
- Independent Air Back Filter and Solutions Dosing Tract
- Dosages available: 45,50,70,100,140 mcl
- Patented invention
- No need preservative in formulations

Innovation & Patented Products



Nasal Spray for IVBE Project

- Key Features:
- IVBE API: Mometasone Furoate
 - Tamper Evident Closure
 - Successful IVBE project
 - Dosage : 50mcl to 100mcl



Upside-Down Nasal Spray

- Key Features:
- Dosage: 120mcl
 - 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



Metal Free Nasal Spray

- Key Features:
- All parts and components are made of plastic
 - 0.22µm Air Filter Membrane
 - Independent Air Back Filter and Solutions Dosing Tract
 - Dosages available: 45,50,70,100,140 mcl
 - Patented invention

Innovation & Patented Products



Eye Dropper Bottle System

- Key Features:
- With fixed tamper evident ring
 - Every drop counts: exact dosage
 - Dosages available: 0.05ml
 - 5ml and 10ml bottle,PE,PP Materials Optional
 - Suitable for various formulations and viscosities



Preservative Free Eye Drop Bottle System

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



Preservative Free Eye Drop Pump System

- Key Features:
- Drop volume 0.04ml±20%/press
 - Applicable to 15ml, 10ml snap bottle containers
 - Three-level microbial protection system design
 - Applied for appearance and invention patents
 - Suitable for conventional standard snap filling lines
 - Comply with EU, EP, USP Regulatory Requirements
 - Air filter membrane

InVitro Bioequivalence Study for Nasal Sprays

The application of in vitro bioequivalence approaches is recognized by regulators as a key enabler for the effective development of complex generic drug formulations. Correlative method and the tests to prove the in-vitro equivalence between 2 Nasal Spray Devices: Originator (Reference) and Generic product (Test).

Reference is the Target defined with 3 batched of 10 originators.

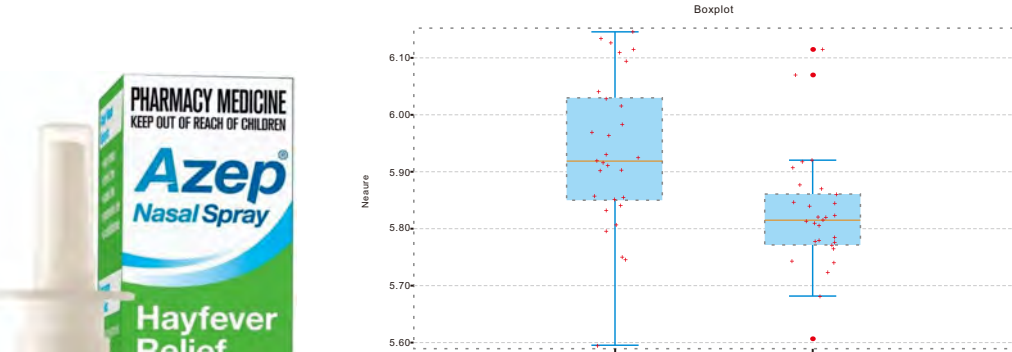
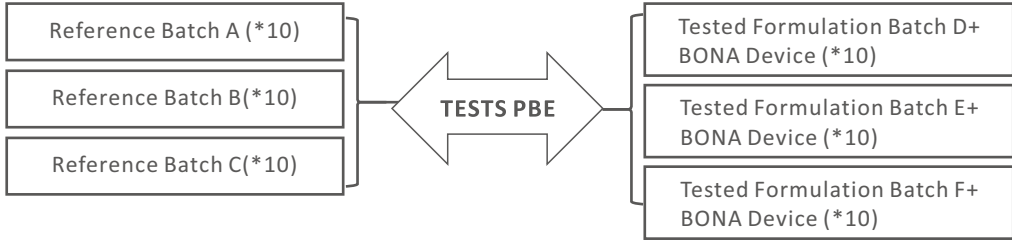
TESTS	Required by FDA	Performed by BONA
Dose Delivery	✓	✓
Droplet Size Distribution(DSD)	✓	✓
Spray Pattern(SP)	✓	✓
Plume Geometry(PG)	✓	✓
Drug in small particles/droplets (Cascade Impactor)	✓	✗
PSD (Particle Size Distribution by microscopy)	✓	✗
Priming/Repriming	✓	✗

✓ Performed by BONA
✗ Not performed by BONA

Spray Performance Test Parameters		Statistics Approach for Bestudy
DSD	D10/um	Informative Data
	D50/um	PBE
	D90/um	Informative Data
	Span	PBE
Spray pattern	D min(mm)	Informative Data
	D max(mm)	Informative Data
	Ovality	PBE
	Area (mm ²)	
Plume Geometry	Plume Angle	90 111 % Ratio of Geometric Means
	Plume Width (mm)	

DISTANCE	DOSE		DSD		Spray Pattern		Plume Geometry	
	Shot Weight	Priming	D50	SPAN	Ovality	Area	Angle	Width
3CM	101%	101%	99%	100%	97%	97%	/	/
6CM			106%	98%	95%	94%	103%	103%

xx%: comparison mean Test/mean Reference



Originator: Azelastine Hydrochloride Nasal Spray



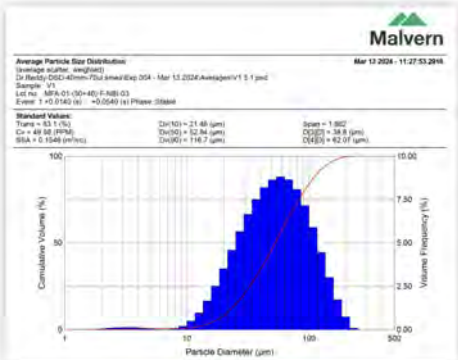
Tested by BONA Device

Population Bio Equivalent
Population Non Bio Equivalent

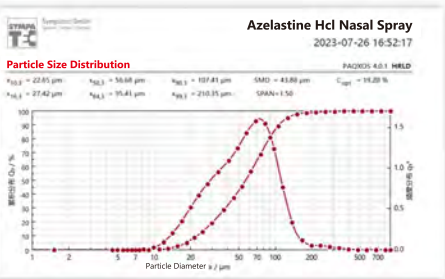
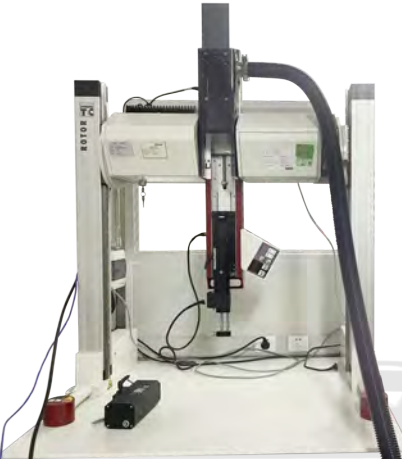
Spray Analysis & Research Services

The laboratory is CNAS certified, which is in compliance with ISO17025.

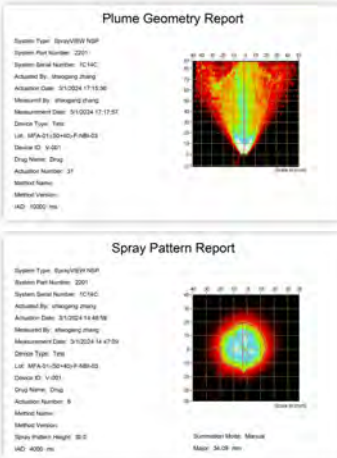
*Malvern|Droplet Size Distribution



*SYMPATEC|Droplet Size Distribution



*PROVERIS|Spray Pattern and Plume Geometry



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
- 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 Inhaler	3# capsule				Medical ABS Medical ABS			DPI-1



Dry Powder Inhaler(DPI)

- Applicable to capsule 3#
- Single dose
- ISO13485 Certified
- Device used for COPD and Asthma treatment medicine
- Aerodynamic tests can be performed
- Materials comply with CP, EP, USP food & drug direct contact regulations

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	12	31.9	20.55*20.55	1.4	PE	14	64.5	BONA5815AAC
	Dropper			18.85	12.4*12.4	0.4	PE			
	Bottle			51.9	24.2*24.2	3.6	PE			
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			
9	BFS Cap			25.1	19.1*19.1	1.87	PP			BONA3920A6A



Main Parameters:

- Bottle volume: 5ml, 9ml, 10ml, 15ml
- Materials: HDPE, LDPE, PP
- 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	4.5	PP	20	144	BONA5775A6E
	Bottle			71.8	43.5*43.5	6.5	LDPE			
2	Applicator	100	114	102.7	23.0*23.0	4.5	PP	20	185.5	BONA5539ABE
	Bottle			97.5	52.0*52.0	15.4	LDPE			
3	Applicator	500	520	108.2	34.4*34.4	9.5	PP	30	233.2	BONA5530A6V
	Bottle			146.0	88.0*88.0	62.0	LDPE			
4	Applicator	150	160	79.2	22.5*22.5	2.5	PE	20	190	BONA4R0271F
	Bottle			121.78	50.0*50.0	16.0	LDPE			

NO#	Dose form	Capacity(g)	Length(mm)	Diameter(mm)	Materials	Item code
5	Gel	3	84.37	16.0*27.8	PP	BONA4G0023F
6	Gel	5	94.0	16.0*27.8	PP	BONA4G0006F
7	Gel	10	102.0	21.65*31.55	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-sensitizing, 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: 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
1	10	16	49.3	25.8	4.7	HDPE	20	BONA5692A6C
2	15	20	55.3	25.3	4.6	HDPE	20	BONA5646A6C
3	20	26	51.7	30.8	5.0	HDPE	20	BONA5635A6C
4	20	24	64.4	25.3	4.4	HDPE	20	BONA5748A6C
5	30	34	64.5	30.5	5.9	HDPE	20	BONA5639A6C
6	40	44	65.4	35.0	7.0	HDPE	20	BONA5669A6C
7	50	62	70.4	40.0	8.7	HDPE	20	BONA5749A6C



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	22.0	2.7	HDPE	18/415	BONA5784A6C
S-2	10	14	51.5	23.6	4.0	HDPE	18/415	BONA5638A6C
S-3	15	19	60.2	24.2	4.2	HDPE	18/415	BONA5684A6C
S-4	20	22	59.5	27.5	5.0	HDPE	18/415	BONA5680A6C
S-5	20	24	67.0	25.8	4.65	HDPE	18/415	BONA5676A6C
S-6	25	30	66.0	30.0	6.0	HDPE	18/415	BONA5729AAC
S-7	30	33	68.0	31.5	6.3	HDPE	18/415	BONA5681A6C
S-8	10	12	42.0	30.2*37.8	4.0	HDPE	18TE	BONA5654AAC
S-9	30	38	73.0	31.5	7.3	HDPE	18TE	BONA5721A6C
S-10	50	57	82.5	35.2	9.0	HDPE	20/410	BONA5679AAC
S-11	60	77	93.0	36.0	8.5	HDPE	20/410	BONA5730A6C
S-12	100	106	108.5	41.0	15.5	HDPE	20/410	BONA5746A6C

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

Material: 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	49.7	24.0	4.5	PET	18/415	49.7	BONA5720A6D
2	Bottle	15	19	61.5	24.2	6.0	PET	18/415	61.5	BONA5714A6D
3	Bottle	20	23	69.5	25.0	6.2	PET	18/415	69.5	BONA5676A6D
4	Bottle	30	34	79.0	28.2	8.0	PET	18/415	79.0	BONA5673A6D
5	Bottle	50	56	81.8	34.6	10.5	PET	20/410	81.8	BONA5704A6D
6	Bottle	60	63	82.8	36.0	10.5	PET	20/410	82.8	BONA5683A6D
7	Bottle	100	118	102.0	45.0	16.0	PET	24/410	102.0	BONA5759A6D
8	Cap	100	118	21.3	28.3	2.8	PE	25	98.75	BONA4R0218F
	Bottle			96.5	48.0	16.2	PET			
9	Dose cup	120	134	33.0	40.4	3.3	PP	28	143.7	BONA4R0310F
	Cap			24.48	31.4	4.1	HDPE			
	Bottle			138.0	50.4*33.6	23.0	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	69.5	25.0*25.0	4.5	PP	18/415	107.5	BONA4P00390
	Bottle			58.0	25.5*25.5	4.5	HDPE			
2	Cap	15	30	28.5	18.9*18.9	1.4	PP	16	90.34	BONA5683A6C
	Dropper			27.6	12.0*12.0	0.9	PE			
	Dip tube			84.0	3.15*3.15	0.58	PE			
	Bottle			72.0	22.23*45.9	6.7	LDPE			
3	Cap	15	35	27.7	20.0*20.0	1.85	HDPE	14	86.39	BONA5764A6C
	Dropper			19.25	11.4*11.4	0.65	LDPE			
	Bottle			74.8	38.4*27.4	7.50	LDPE			
4	Cap	20	26	69.5	25.0*25.0	4.5	PP	18/415	107.5	BONA4P00320
	Bottle			58.0	30.7*30.7	5.7	HDPE			
5	Cap	15	20	68.3	37.5*28.3	7.3	PP	18/415	90.3	BONA5654AAC
	Bottle			42.0	30.2*37.8	4.0	HDPE			
6	Cap	25	30	70.85	33.9*25.9	6.8	PP	18/415	93.8	BONA5706A6C
	Bottle			68.7	28.9*36.6	7.8	HDPE			
7	Cap	30	36	70.85	33.9*25.9	6.8	PP	18/415	104.4	BONA5688A6C
	Bottle			76.1	29.0*35.53	7.6	HDPE			
8	Cap	80	98	74.59	48.78*36.78	9.9	PP	20/410	130.36	BONA5499A6E
	Bottle			104.0	38.0*48.7	16.3	HDPE			
9	Cap	200	250	35.8	29.5*29.5	4.8	PP	24	160.0	BONA4R0238F
	Dropper			27.0	28.7*28.7	1.5	PP			
	Dip tube			149.0	9.2*9.2	4.8	LDPE			
	Bottle			133.5	58.4*58.4	24.6	LDPE			
10	Cap	120	135	54.5	42.7*42.7	8.6	PP	24/410	157.7	BONA5738A6C
	Bottle			126.7	43.0*43.0	20.7	HDPE			
11	Cap	100	125	47.0	37.5*37.5	6.2	PP	20/410	153.66	BONA5687A6C
	Bottle			125.5	38.0*38.0	15.7	HDPE			
12	Cap	80	87	47.0	37.5*37.5	6.2	PP	20/410	132.16	BONA5686A6C
	Bottle			104.0	38.0*38.0	14.2	HDPE			
13	Cap	50	70	47.0	37.5*37.5	6.2	PP	20/410	112.6	BONA5531A6E
	Bottle			84.9	38.0*38.0	12.0	HDPE			
14	Cap	30	39	46.85	30.0*30.0	5.5	PP	20/410	103.3	BONA5689A6C
	Bottle			73.9	30.7*30.7	8.0	HDPE			

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# 036728
- 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	26.2	36.5	4.9	HDPE:LDPE	32	59.5	BONA5626A6C
	Bottle			57.7	37.3	8.7	HDPE			
3	Cap	70	91	17.2	43.6	4.0	PP	38	69.8	BONA5699AAC
	Bottle			65.6	48.7	14.5	HDPE			
4	Cap	100	128	17.5	46.5	4.5	PP	40	88.06	BONA5658A6C
	Bottle			84.0	50.5	19.0	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	57.3	105.0*11.0	5.75	LDPE	5.8	57.0	BONA3265AAA
2	Intranasal Mucosal Atomization Device	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



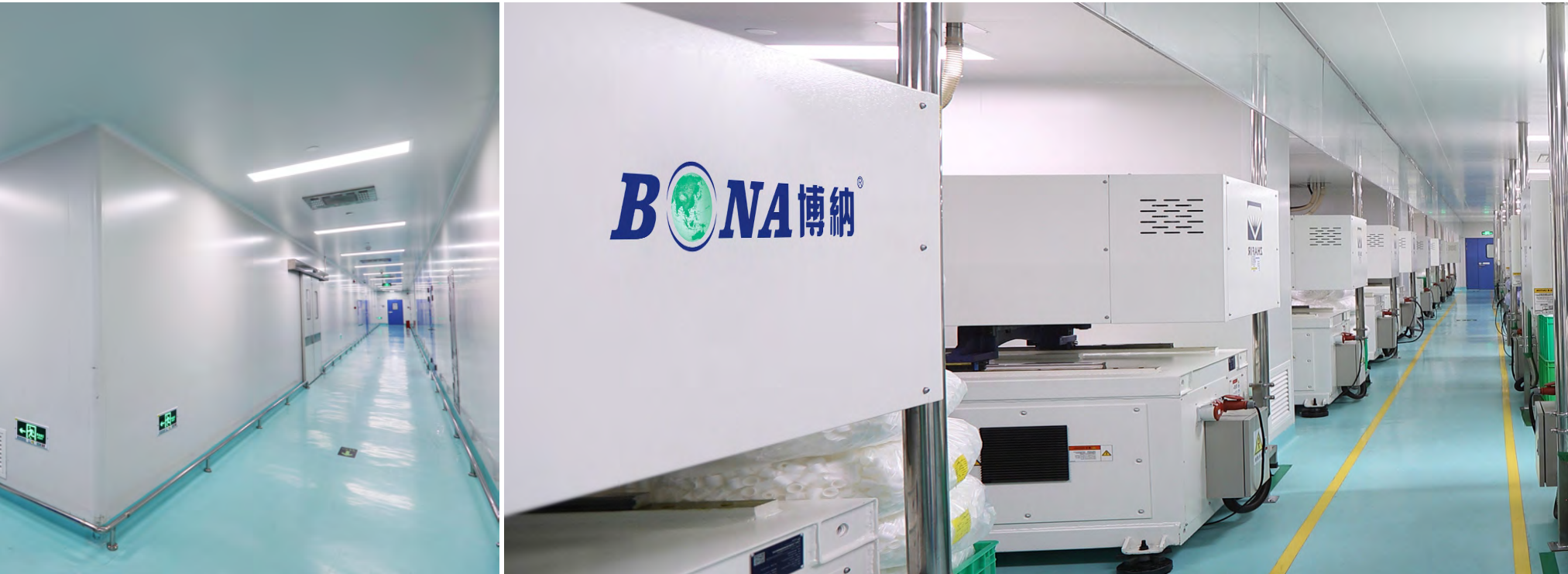
NO#	Components	Shoulder capacity(ml)	Brimful capacity(ml)	Height (mm)	L*W (mm)	Weight (g)	Materials	Neck size (mm)	Total Height(mm)	Item code
1	Cap	62ml	66	10.9	20.5*20.5	1.3	PP	18	57.0	BONA5749AIE
	Bottle			97.9	79.3*17.6	19.8	HDPE			
2	Cap	40ml	48	10.9	20.5*20.5	1.3	PP	18	99.9	BONA5484AIE
	Bottle			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
9	Bottle	3ml		64.5	15.2*15.2		PP			

- Certified by ISO15378:2017 and ISO14001, ISO13485
- Audited by a third authorized organization twice yearly
- CFDA certified manufacturer of pharmaceutical packaging materials and medical devices
- Fully chemical & physical validation before projects are activated
- Appearance, size and function tests are performed in certain time during production
- Microbial limitation test implemented & approved before goods released
- Production batch records are kept for ten years and can be traced in each order

Qualification



Production Capability



- * 30,149.52 SQM workshop
- * 10,819.0 SQM clean room
- * Class C+A, Class D clean rooms
- * 89 injection molding machines
- * 14 injection blow molding machines
- * 17 automatic assembly lines
- * 1.5 million pumps per day
- * 500 thousand sets of eye dropper bottle systems per day

Invention & Utility Patents

* 8 International Invention Patents

* 12 National Invention Patents

* 46 Utility Patents

* 9 Design Patents

发明专利证书

专利号: 2013 1 0088205.4

发明人: 董山江, 董安强

专利权人: 深圳市博纳医药材料有限公司

发明专利证书

专利号: 2012 1 0088205.7

发明人: 董山江

专利权人: 深圳市博纳医药材料有限公司

The Director of the United States Patent and Trademark Office

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, or importing into the United States of America, products made by that process, for the term set forth in 35 U.S.C. (34)(2) or (371), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Michelle K. Lee

The Director of the United States Patent and Trademark Office

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, or importing into the United States of America, products made by that process, for the term set forth in 35 U.S.C. (34)(2) or (371), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Joseph Matof

UKRÜNDE CERTIFICATE CERTIFICAT

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Bona Pharma Technology Co., Ltd.
Bona Pharmaceutical Valley Park, 10th Floor
No. 1 Changyang Road, Qianhai District
Shenzhen, Guangdong Province, China
(Shenzhen 518106)

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