



BIOBASE®



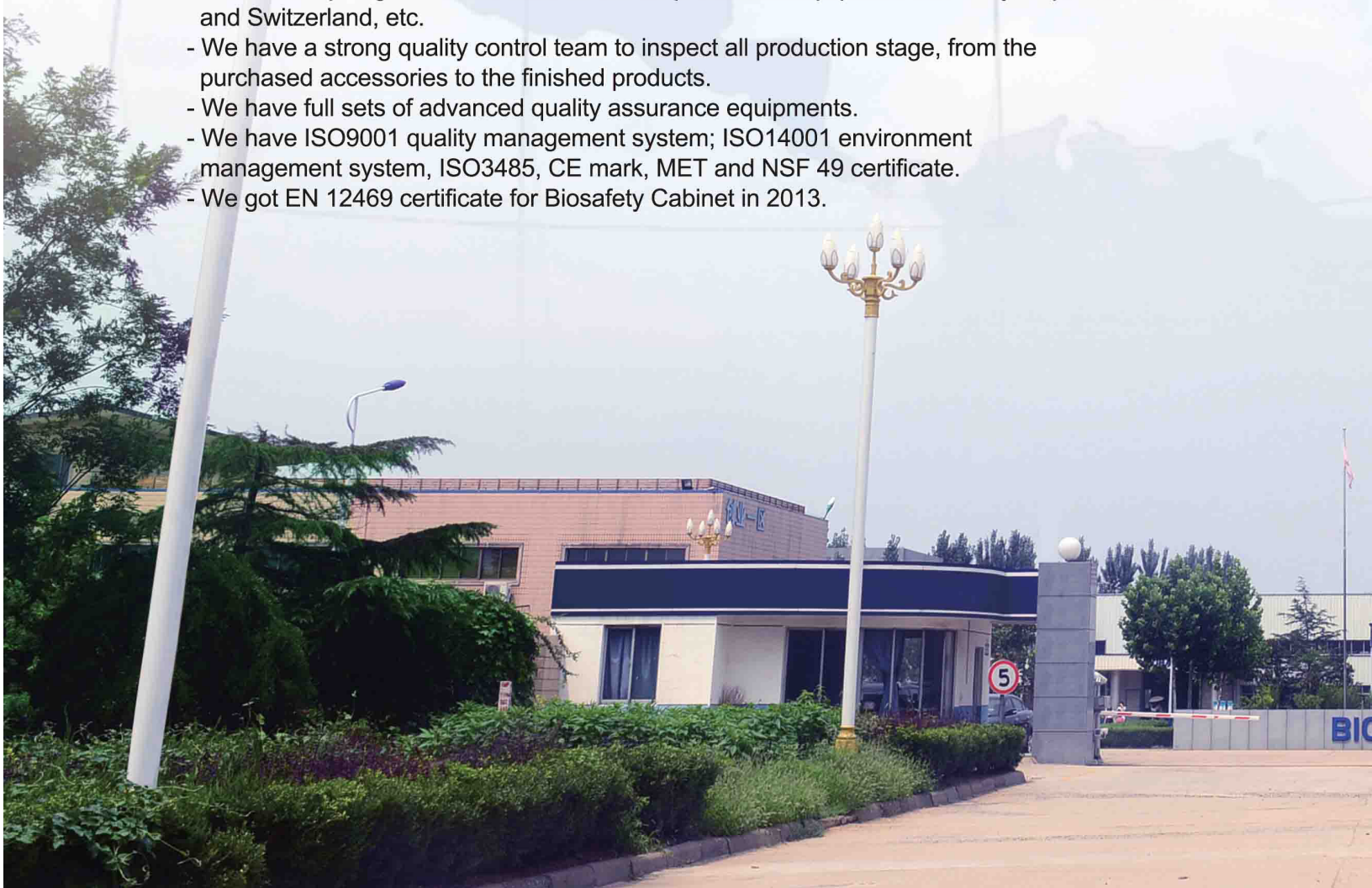
BIOBASE[®]

INTRODUCTION

BIOBASE Group is a professional manufacturer of laboratory products since 1999. Our main products are Biosafety Cabinet (Class I / II / III), Laminar Flow Cabinet, Fume Hood, Biochemistry Analyzer, Reagent, Autoclave and Incubator. We have more than 2000 employees and 20000 square meters production base. Our output per year reaches 10000 units. Pursuing the highest quality is the tenet of BIOBASE. We hope everybody will enjoy BIOBASE service to keep away from the infectious disease.

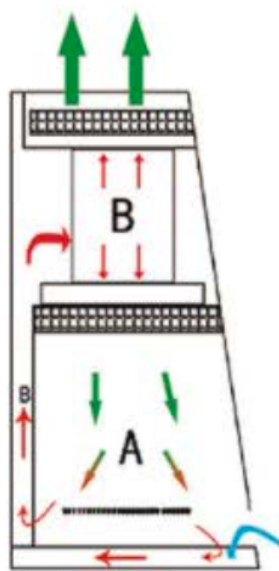
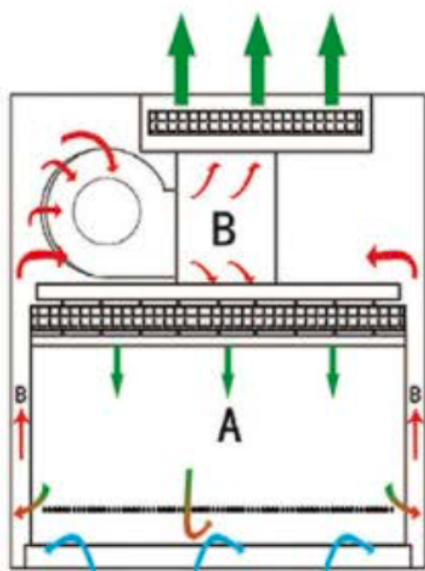
Our advantages:

- We built an excellent research team which consists of 50 professional engineers.
- We have 20 years production experience and a strong technical production team. And we adopt high-tech and state-of-the-art production equipment from Italy, Japan, and Switzerland, etc.
- We have a strong quality control team to inspect all production stage, from the purchased accessories to the finished products.
- We have full sets of advanced quality assurance equipments.
- We have ISO9001 quality management system; ISO14001 environment management system, ISO3485, CE mark, MET and NSF 49 certificate.
- We got EN 12469 certificate for Biosafety Cabinet in 2013.



Class II A2 Biological Safety Cabinet

Three protection: operator, sample and environment.
Airflow system: 70% air recirculation, 30% air exhaust
A2 Cabinet is suitable for working with microbiological research in the absence of volatile or toxic chemicals and radionuclide.



- Room Air
- Contaminated Work Chamber Air
- HEPA/ULPA Filtered Air
- A Protected Area
- B Un-Protected Area

Pro Series Class II A2 Biological Safety Cabinet



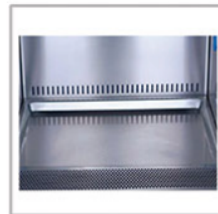
LCD Display

7 inch large touch screen is easy to monitor all the safety parameters at a glance and ergonomically sized control panel



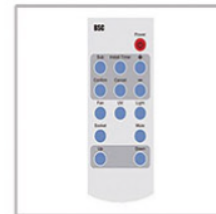
Handle

Four handles on each corner, easier to move the unit to anywhere



Work Zone

Work zone is made of 304 stainless steel, is surrounded by negative pressure.



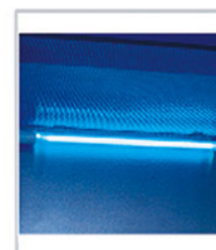
Remote Control

All functions can be realized with it, making the operation much easier and convenient.



Waterproof Socket

2 waterproof sockets are located in the side panel, for optimum convenience of using small devices inside the cabinet.



UV Lamp

Emission of 253.7 nanometers for most efficient decontamination.

ADVANTAGE

1. Small dimension, save space.
2. Centrifugal fan, speed adjustable; H14 HEPA filter.
3. Motorized front window: The front window is motorized for convenient, one-hand operation.
4. Audio and visual alarm: Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm.
5. Self-locking button switch to solve the trouble of losing the key.
6. Removable handle design, easy to move.
7. 7 inch Large touch screen with Intelligent control system: Operators can check detailed status of the cabinet, such as inflow and downflow velocity, work area temperature and humidity, filter pressure, UV working time and filter working time, filter life indicator etc.
8. With memory function in case of power-failure.
9. Interlock function: UV lamp and front window; UV lamp and blower, LED lamp; blower and front window.

TECHNICAL PARAMETERS

Model	11231 BBC 86-Pro
External Size(W*D*H)	700*650*1230mm
Internal Size(W*D*H)	600*500*540mm
Tested Opening	Safety height 200mm(8")
Max Opening	370mm(15")
Inflow Velocity	0.53±0.025m/s
Down Flow Velocity	0.33±0.025m/s
HEPA Filter	Two, 99.995% efficiency at 0.3µm. Filter life indicator
Front Window	Motorized. Single Layer toughened glass≥5mm. Anti UV.
Noise	≤ 67dB
UV Lamp	15W*2 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination
LED Lamp	8W*2
Illumination	≥1000Lux
Consumption	500W
Socket	Two, total load of two sockets: 500W
Display	7 inch large touch screen
Control System	Microprocessor
Airflow System	70% air recirculation, 30% air exhaust
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity; High filter pressure alarm.
Material	Work Zone: 304 stainless steel. Main Body: Cold-rolled steel with anti-bacteria powder coating
Work Surface Height	750mm with optional base stand
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Standard Accessory	LED lamp*2, UV lamp*2, Remote control, Waterproof sockets*2, base stand, handle*4 ,universal caster with brake and leveling feet
Optional Accessory	SS Water tap*1, SS Gas tap*1
Packing Size (without base stand)	Carton: 730*787*1450mm Wood: 860*780*1420mm
Gross Weight (without base stand)	Carton: 120kg Wood: 140kg
Packing Size (with base stand)	Carton: 850*787*1450mm Wood: 860*970*1420mm
Gross Weight (with base stand)	Carton: 140kg Wood: 160kg



Certificate of Compliance

No. 3N210924.BBQT59

Test Report / Technical Construction File no. TCF-03-2020941-LVD+EMC

Certificate's
Holder:

Biobase Biodustry (Shandong) Co., Ltd.
Biobase Biodustry Park, Crossing of East Jingshi
Road and Mingbu Road, Mingshui Economic
Development Zone, Zhangqiu, Jinan City,
Shandong Province, China

Manufacturer:

Biobase Biodustry (Shandong) Co., Ltd.
No. 9 Gangxing Road, High-Tech Zone, Jinan City,
Shandong Province, China

Certification ECM
Mark:



Product:
Model(s):

Biological Safety Cabinet
(see the following annex)

Verification to:

Standard:
EN 61010-1:2010+A1:2019, EN 61326-1:2013

related to CE Directive(s):
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 24 September 2021

Expiry date: 23 September 2026

Reviewer
Technical expert
Amanda Payne

Approver
ECM Service Director
Luca Bedonni

Ente Certificazione Macchine Srl



Annex I

No. 3N210924.BBQT59

Test Report / Technical Construction File no. TCF-03-2020941-LVD+EMC

Model(s):

11228 BBC 86, 11229 BBC 86, 11230 BBC 86, 11231 BBC 86, 11240 BBC 86,
BSC-3FA2, BSC-3FB2, 11231 BBC 86-Pro, BSC-1300IIA2-Pro,
BSC-1500IIB2-Pro, BSC-1800IIA2-Pro, BSC-1800IIB2-Pro, BSC-1100IIA2-Pro,
BSC-1100IIB2-Pro

Ente Certificazione Macchine Srl

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+39 051 6705141 +39 051 6705156 info@entecerma.it www.entecerma.it



REGISTRATION NO. 04722Q10272R2M

CERTIFICATE OF QUALITY MANAGEMENT SYSTEM

This is to certify that the quality management system of

Jinan Biobase Biotech Co., Ltd.

Registered Address: OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong

Manufacturing Address: North Side of Jiwang Road, Mingshui Economic Development District, Zhangqiu, Jinan City; OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong; Workshop No.7, Medical Device Industrial Park, Juancheng County, Heze City, Shandong Province

**Has been assessed and conformed to the following standard(s)
GB/T 19001-2016 idt ISO 9001:2015**

The certificate is valid for the following scope:

The design, development, production and service of Biological Safety Cabinet; Class I Biosafety Cabinet; CO₂ Incubator; Low Temperature Freezer; Medical Refrigerator; Laminar Flow Cabinet; Biological Isolation Chamber; Fume Hood; PCR Cabinet; Dispensing Booth.

Date of issue: July 22, 2022

Date of expiry: July 21, 2025

Date of change: October 20, 2022

General Manager:

**BEIJING HUA GUANG CERTIFICATION
OF MEDICAL DEVICES CO., LTD.**



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C047-M

Note: This certificate will not be continuously valid until the organization has been approved in the annual surveillance audit. The certificate information are available on the website of the certification and accreditation administration of the People's Republic of China (<http://www.cnca.gov.cn>) or the website of CMD (<http://www.cmdc.com.cn>). Address: 5th floor of Zhong Lian building, No. jia88, An Ding Men Wai street, Dongcheng district, Beijing, 100011, P.R. China Telephone: 010-62351993



Registration No. 04722E10003R0M

CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM

This is to certify that:

Jinan Biobase Biotech Co., Ltd.

Registered address: **OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong**

Manufacturing address: **North Side of Jiwang Road, Mingshui Economic Development District, Zhangqiu, Jinan City; OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong**

Operates an Environmental Management System which complies with the requirements of:

GB/T 24001-2016 idt ISO 14001:2015

For the following scope:

Environmental management activities of design, development, manufacture, distribution and service of Biological Safety Cabinet, Laminar Flow Cabinet, Biological Isolation Chamber, Air Purifier, Fume Hood, PCR Cabinet, Dispensing Booth.

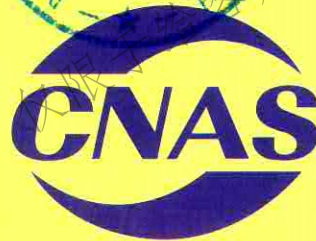
Date of issue: **June 14, 2022**

Date of expiry: **June 13, 2025**

Date of change: **June 04, 2023**

General manager:

**BEIJING HUA GUANG CERTIFICATION
OF MEDICAL DEVICES CO., LTD.**



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REGISTRATION NO. 04722Q10000272

CERTIFICATE OF QUALITY MANAGEMENT SYSTEM FOR MEDICAL DEVICES

This is to certify that the quality management system of

Jinan Biobase Biotech Co., Ltd.

Registered Address: OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong

Manufacturing Address: North Side of Jiwang Road, Mingshui Economic Development District, Zhangqiu, Jinan City; OLABO Intelligent Manufacturing Industrial Park, Ancheng Town, Pingyin County, Jinan City, Shandong; Workshop No.7, Medical Device Industrial Park, Juancheng County, Heze City, Shandong Province

Has been assessed and conformed to the following standard(s)

YY/T 0287-2017 idt ISO 13485:2016

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Date of issue: July 22, 2022

Date of expiry: July 21, 2025

Date of change: October 20, 2022

General Manager:

**BEIJING HUAGUANG CERTIFICATION
OF MEDICAL DEVICES CO., LTD.**



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