



**BIOBASE®**



**BIOBASE<sup>®</sup>**

# ***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.



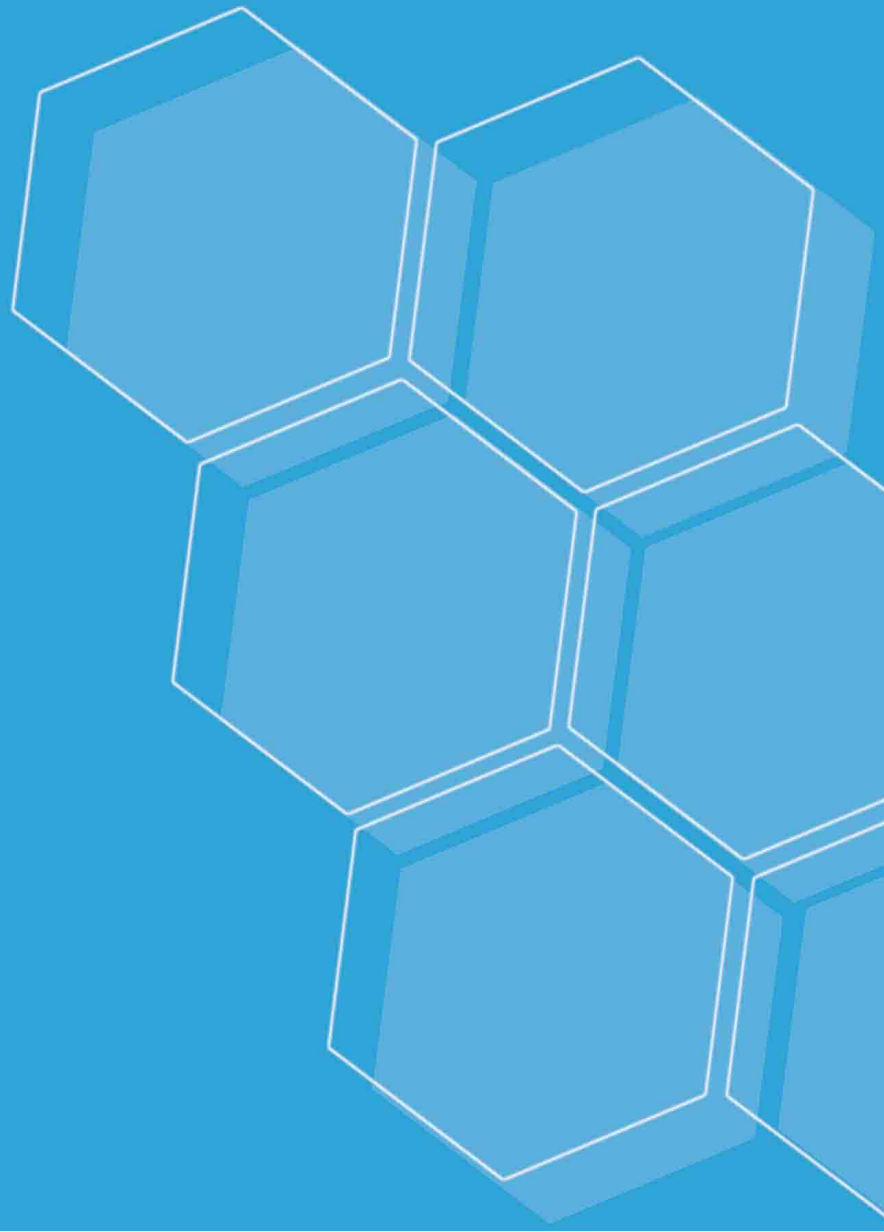
# *Class II B2 Biological Safety Cabinet*

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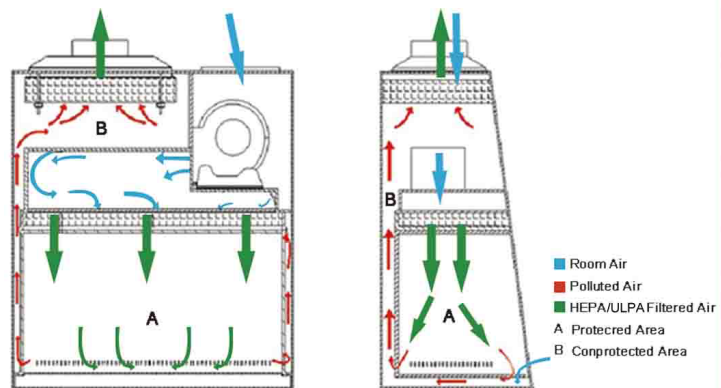
Three protection: operator, sample and environment.

Airflow system: 0% air recirculation, 100% air exhaust.

A Class II B2 BSC, also called a total exhaust cabinet, is necessary when significant amounts of radionuclides and volatile chemicals are expected to be used.



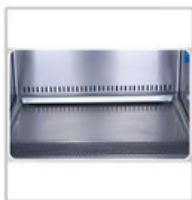
## Class II B2 Biological Safety Cabinet



# Class II B2 Biological Safety Cabinet



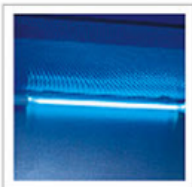
**LCD Display**  
7 inch touch screen display is easy to monitor all the safety parameters at a glance and ergonomically sized control panel improves user interface.



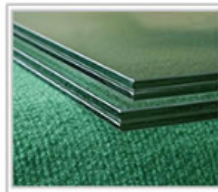
**Work Zone**  
Work zone, made of 304 stainless steel, is surrounded by negative pressure.



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



**UV Lamp**  
Emission of 253.7 nanometers for most efficient decontamination.



**Front Window**  
Two-layer laminated toughened glass >6mm, Anti UV



**Footmaster Caster**  
Universal caster with brake and leveling feet



**Foot Switch**  
Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.



**Waterproof Socket**  
2 waterproof sockets are located in the side wall, for optimum convenience of using small devices inside the cabinet.

BIOWASE  
Email: export@biowase.com

Website: [www.biowase.cc](http://www.biowase.cc) / [www.meihuatrade.com](http://www.meihuatrade.com)

## ADVANTAGE

1. Larger angle of view, easy to operate and more humanized.
2. Motorized front window.
3. ULPA filter life and UV life indicator.
4. Time reserve function.
5. With memory function in case of power-failure.
6. Self-locking button switch to solve the trouble of losing the key.
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. Audio and visual alarm (filter replacement, window over height, abnormal air flow velocity, etc. High filter pressure alarm ).
9. Remote control. All functions can be realized with it, making the operation much easier and more convenient.
10. Interlock function: UV lamp and front window; UV lamp and blower, fluorescent lamp; blower and front window
11. Foot switch. Adjust front window height by foot during experiment, to avoid airflow turbulence caused by arm movement.

## TECHNICAL PARAMETERS

Model	BSC-1100IIB2-Pro	BSC-1500IIB2-Pro	BSC-1800IIB2-Pro	
External Size (W*D*H)	1100*750*2250mm	1500*840*2275mm	1800*840*2275mm	
Internal Size (W*D*H)	940*600*660mm	1300*670*630mm	1600*670*630mm	
Tested Opening	Safety Height 200mm(8")			
Max Opening	420 mm (17")	500mm (20")	480mm (20")	
Inflow Velocity	0.53±0.025m/s			
Downflow Velocity	0.33±0.025m/s			
ULPA Filter	Two, 99.9995% efficiency at 0.12µm, filter life indicator.			
Front Window	Motorized, two-layer laminated toughened glass ≥ 6mm, anti UV			
Noise	≤ 67dB			
UV Lamp	30W*1	40W*1	40W*1	
	UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination.			
Illuminating Lamp	LED lamp			
	12W*2	16W*2	16W*2	
Illumination	≥1000Lux			
Consumption	1050W	1270W	1800W	
Waterproof Sockets	Two, total load of two sockets: 500W			
Display	7 inch touch screen display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc.			
Control System	Microprocessor			
Airflow System	0% air re-circulation, 100% air exhaust			
Alarm	Abnormal airflow velocity; Filter replacement; Front window at unsafe height; High filter pressure alarm.			
Exhaust Duct	4 meters PVC duct, Diameter:300mm			
Material	Work Zone: 304 stainless steel Main Body: Cold-rolled steel with anti-bacteria powder coating			
Work Surface Height	750mm(Size can be customized according to requirements)			
Caster	Footmaster caster			
Power Supply	AC 220V±10%, 50/60Hz; 110V±10%, 60Hz (110V/60Hz is not applicable to BSC-1800IIB2-Pro)			
Standard Accessory	Illuminating lamp, UV lamp*2, base stand, remote control, foot switch, exhaust blower, exhaust duct, drain valve, waterproof sockets*2, pipe strap*2			
Optional Accessory	Water and gas tap, Electric height adjustable base stand			
Gross Weight	240kg	325kg	420kg	
Package	Main Body	1250*990*1770mm	1650*990*1820mm	2000*1075*1910mm
	Exhaust Blower (W*D*H)	930*800*690mm	930*800*710mm	920*710*680mm



# 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](http://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





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; CO<sub>2</sub> Incubator; Low Temperature Freezer; Medical Refrigerator; Laminar Flow Cabinet; Biological Isolation Chamber; Fume Hood; PCR Cabinet; Dispensing Booth.**

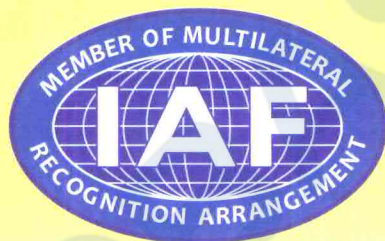
**Date of issue: July 22, 2022**

**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: 5<sup>th</sup> 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.**

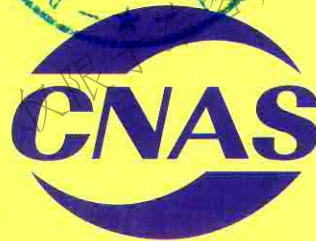
Date of issue: **June 14, 2022**

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

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

General manager:

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



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

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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**

The certificate is valid for the following scope:

The design, development, production and service of Biological Safety Cabinet; Class I Biosafety Cabinet; CO<sub>2</sub> 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 HUAGUANG CERTIFICATION  
OF MEDICAL DEVICES CO., LTD.**



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