

1 ATEX CAT 3G Conformity Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 26 ATEX 2342 X Issue: 0

4 Type: Refrigerators and freezers

Model: BIOBASIC

Variant: RR600 and RF600 (see type key under item 15)

5 Manufacturer: Gram Scientific ApS

6 Address: Aage Grams Vej 1
6500 Vojens
Denmark

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to. The assessments are recorded in ExVeritas project file number EXV5958A.

8 The equipment has been assessed against the following Standards and found to comply:

EN IEC 60079-0:2018

EN 60079-7:2015/A1:2018

EN 60079-11: 2012

9 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

10 This assessment is based on information and data supplied by the manufacturer. Information has been reviewed by ExVeritas as part of the conformity assessment process. Responsibility for the accuracy and completeness of this data remains with the manufacturer.

11 The marking of the equipment shall include the following:

 II 3 G Ex ec ic IIB Tx Gc

On behalf of ExVeritas



Peter Lauritzen
Managing Director

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Schedule

12

Description of Equipment or Protective System

Gram BioLine BIOBASIC range of refrigerators (RR) and freezers (RF) are designed and manufactured to provide safe and precise conditions for the items stored. The cabinets are designed for the following operating ranges RR +2 °C/+15 °C, RF -25 °C/-5 °C.

Type variants covered by this certificate:

Cabinet	600		
Model/Variant	BIOBASIC RR600(10..)	BIOBASIC RR600(11..)	BIOBASIC RF600(10..)
Refrigerant	HC	HC	HC
Connection	230V/50 Hz	230V/50 Hz	230V/50 Hz
Temperature Class	T6	T6	T2

Specified ambient temperature: +10 °C < Tamb < + 43 °C

The type number system is specified to the following concept:

BIOBASIC xx600yz ZZ

Where "ZZ" are defined in a sequence (no space in between) of the below listed equipment variants. (e.g., BIOBASIC RF600LG 102036482)

BIOBASIC 600	
Temperature range (xx)	
RR	+2/+15 °C
RF	-25/-5 °C
Refrigerant (z)	
G	R290
Exterior (y)	
L	White Lacquered
Equipment (ZZ)	
10	Solid door
11	Glass door
12	Customized door
15	RUKO lock (DK)
20	Right hinged incl. self-closing
21	Left hinged incl. self-closing
30	Wheels/castors 125 mm
31	Castors, 4 360° castors, 2 w/brakes
33	Wheels/castors 109 mm
35	Legs H=100/135 mm
36	Legs H=135/200 mm
37	Legs H=185/250 mm
38	Prepared for mounting on a plinth
41	E-sensor
42	Customized sensor*
81	Low-temperature protection
82	60 Hz compressor
..V	# of liquid containers incl. holder
..A	# of aluminium drawers
..P	# of perforated shelves
..T	# of wire shelves in stainless steel
..W	# of wire shelves in white plastic coating

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..VVV	# of wire shelves in white plastic coating 300 mm
..N	# of wire shelves in grey plastic coating
..R	# of stainless steel drawers 30 kg
..S	# of stainless steel drawers 40 kg
..J	# of drawers in stainless steel with transparent front 30 kg
..K	# of drawers in stainless steel with transparent front 40 kg

13 Descriptive Documents

13.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
5958/A/1	2026-08-31	0	Initial issue of the Prime Certificate

13.2 Compliance Drawings:

Issue 0

Title:	Drawing No:	Issue:	Date:
Product Description	2026-29-04_Description_of_BIOBASIC_600_R ev005	005	2026-06-04
Description of PE / bonding connections	2020-06-03_Ex17-2020_Bonding_BIOBASIC_600_Rev0 01	001	2020-06-03
Instructions for use	765042590_20260430_biobasic_instru ctions_for_use-English-web		2026-07-01
Determination of temperature classes	2026-05-27_Ex69-2026_BIOBASIC_600_Temperature_c lass_determination_Rev001	001	2026-05-19

14 Conditions of Certification

14.1 Special Conditions for Safe Use

1. The power supply to the freezers/refrigerators are through a plug/socket connection on the electronic control box. The manufacturer delivers the belonging supply cable. The locking mechanism on the plug/socket connection must always be used. The supply cord/plug must only be connected in a non-hazardous area. If the freezers/refrigerators are electrically connected in a zone classified area, the supply cord must be connected in a terminal box complying with national installation requirements e.g. EN 60079-14, typically an Ex "e" terminal box.
2. To secure potential equalization of the unit – the mounted external bonding/ground connector must be used in accordance with national installation requirements e.g. EN 60079-14.
3. The specified ambient temperature for "BIOBASIC" freezers/refrigerators are limited to: +10 °C < Tamb < + 43 °C
4. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1 (Indoor laboratories / Office environment).
5. Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.

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Schedule

14.2 Conditions of manufacture
(None)

15 Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 8 and where required the report listed in section 13.1

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