



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 2343 X Issue: 0

4 Type: Refrigerators and freezers

Model: BIOBASIC

Variant: RR210, RR310, RR410, RF210, RF310, RF410, RR/RF210/210, RR/RF310/210
(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 60079-11: 2012

En 60079-7:2015 + A1:2018

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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The certificate is only valid when it carries an original signature.

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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/+20 °C, RF -25 °C/-5 °C.

Variants covered by this certificate:

Cabinet	210		
Model/Variant	BIOBASIC RR210(10..)	BIOBASIC RR210(11..)	BIOBASIC RF210(10..)
Refrigerant	HC	HC	HC
Connection	230V/50-60 Hz	230V/50-60 Hz	230V/50-60 Hz
Temperature Class	T6	T6	T3

Cabinet	310		
Model/Variant	BIOBASIC RR310(10..)	BIOBASIC RR310(11..)	BIOBASIC RF310(10..)
Refrigerant	HC	HC	HC
Connection	230V/50-60 Hz	230V/50-60 Hz	230V/50 Hz
Temperature Class	T6	T6	T3

Cabinet	410		
Model/Variant	BIOBASIC RR410(10..)	BIOBASIC RR410(11..)	BIOBASIC RF410(10..)
Refrigerant	HC	HC	HC
Connection	230V/50Hz	230V/50 60 Hz	230V/50Hz
Temperature Class	T6	T6	T3

Specified ambient temperature (10 - solid door): +10 °C < tamb < +35 °C

Specified ambient temperature (11 - glass door): +10 °C < tamb < +32 °C

In addition to the BIOBASIC models, the following accessories are covered by this certificate:
The accessories are specified by the type-number system below:

BIOBASIC	
Temperature range (xx)	
RR	Regular refrigerator +2/+20°C
RF	Regular freezer -25/-5°C
Refrigerant (z)	
H	R134a (only outside EU)
G	R600a
Exterior (y)	
C	Stainless
L	White Lacquered
Equipment (ZZ)	
10	Solid door
11	Glass door
12	Customized door
15	RUKO lock (DK)
20	Right hinged, self-closing
21	Left hinged incl. self-door
30	Wheels/castors 125mm, 2 w/brakes
31	Castors, 360° castors, 2 w/brakes

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33	Wheels/castors 109 mm
34	Wheels/skids (only 210/310 units)
35	Legs H=100/135 mm
36	Legs H=135/200 mm
38	Prepared for mounting on a plinth
39	Skids (only 210/310 units)
41	E-sensor
42	Customized sensor
81	Low-temperature protection
90	Combination kit
91	Wall mounting
..V	# of liquid containers incl. holder
..A	# of aluminium drawers
..AA	# of aluminium drawers 300 mm
..E	# of ABS drawer
..M	# of wire baskets in white plastic coating
..MM	# of wire baskets in white plastic coating 300 mm
..P	# of perforated shelves
..PP	# of perforated shelf in stainless steel 300 mm
..T	# of wire shelves in stainless steel
..TT	# of wire shelves in stainless steel 300 mm
..W	# of wire shelves in white plastic coating
..WW	# of wires shelves in white plastic coating 300 mm
..Z	# of perforated shelves in white
..ZZ	# of perforated shelves in white

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	2026-04-30_Description_of_BIOBASIC_210-310-410_Rev005	005	04-06-2026
Description of PE / bonding connections	2021-12-10_Ex141-2021_Bonding_BIOBASIC_210-310-410_rev001.docx	001	2021-12-10
Instructions for use	765042590_20260701_BIOBASIC_Instructions_for_use_English-web		2026-07-01
Determination of temperature classes	2026-05-21_Ex68-2026_BIOBASIC_210-310-410_Temperature_class_determination_Rev001.docx	001	2026-05-21

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14 Conditions of Certification

14.1 Special Conditions for Safe Use

1. The power supply to the cabinets is via a plug and socket connection on the electronic control box. The manufacturer delivers appropriate supply cable. The "Instructions for use" delivered with the product, incorporates the section "Connection to power" – which must be complied. The mechanism to secure the connection between supply cable plug and cabinet socket must always be used. Connections shall be done in a non-hazardous area. If the cabinets are electrically connected in a zone classified area, the supply cable must be connected in a terminal box complying with national installation requirements e.g. EN 60079-14
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 cabinet is:
+10 °C < t_{amb} < +35 °C (solid door)
+10 °C < t_{amb} < +32 °C (glass door)
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.
6. Due to static hazards cleaning must be done with a damp cloth.

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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