

# Certificate

## of EC type examination No. EC/S/893/2007

Product:

**Self-Contained Closed – Circuit Breathing  
Apparatus Compressed Oxygen Type**

Type (variations):

**BIOPAK 240R (BIOPAK 240 REVOLUTION)**

Name and address of the manufacturer/authorised representative:

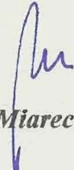
**NTRON EUROPE LTD  
Mullaghboy Industrial Park  
Navan, County Meath  
Ireland**

Name and address of the manufacturer/place of origin:

**BIOMARINE INCORPORATED,  
456 Creamery Way  
Exton PA 19341,  
U.S.A.**

**Product meets the basic safety and health requirements of Directive 89/686/EEC/the ordinance  
of the Ministry of Economy of 21st December 2005 concerning basic requirements  
for personal protective equipment (Dz. U. No. 259, item 2173)**

**Head of the Centre for Certification  
of Products and Management Systems**

  
**Barbara Miareczko M.Sc.**

Warsaw, 9 March 2007

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**Notified Body No. 1437**

Centralny Instytut Ochrony Pracy – Państwowy Instytut Badawczy  
00-701 Warszawa, ul. Czerniakowska 16

**Description of item:**

The Biopak 240 R is an oxygen-based, self-contained, closed-circuit, positive pressure breathing apparatus. The device contains:

- counter lung,
- full facepiece (full face mask AV 3000),
- breathing hoses,
- carbon dioxide scrubbers,
- heat exchanger assembly,
- oxygen delivery system,
- monitoring system (sensor module, interconnecting cables, pressures switches, temperature sensors),
- alarm.

The entire product is housed within a backpack-style housing complete with padded shoulder and waist harness. The device is completed with full-face mask AV 3000.

**Photo:**



**Basic parameters:**

*(class, category, protection level)*

*Compressed Oxygen Type*

*4-hour duration*

*Positive pressure*

**Identification of provided documentation:**

- *application for an evaluation type EC no.785/2006 dated 27.02.2006,*
- *technical documentation including attachment EN 145 both dated 23.03.2006,*
- *technical drawing D47C021 dated 03.02.2006,*
- *appointment as EU Authorized Representative document dated 11.08.2005*

***Product/model of product provided with the application form for carrying out EC type assessment is in accordance with technical documentation.***

**Product meets the requirements of harmonized standards:**

*EN 145:1997 Respiratory protective devices – Self – contained closed – circuit breathing apparatus compressed oxygen or compressed oxygen – nitrogen type – Requirements, testing, marking*

**Confirmed with the reports performed by:**

1. *Central Mine Rescue Station, Bytom, Poland;*
2. *Intertek Testing & Certification Ltd, Intertek, Cleeve Road, Leatherhead, Surrey, United Kingdom;*
3. *BSI Product Services Maylands Avenue, Hemel Hempstead Hertfordshire, United Kingdom;*
4. *Central Institute for Labour Protection – National Research Institute, Department of Personal Protective Equipment, Łódź, Poland*

**Test reports No.:**

1. *1/2007 dated 12.02.2007, 2/2007 dated 12.02.2007;*
2. *ITS No. Ex 06E25226X dated 22.06.2006, ITS No. Ex 06E25226X/1 dated 12.12.2006;*
3. *239/4924721 dated 07.12.2006;*
4. *367/CR/2006/NO dated 31.08.2006, 206/PB/2006/NO-A and 206/PB/2006/NO-B dated 08.06.2006*

**Marking:**

*Name and address of manufacturer, number of relevant European Standard: EN 145, class and type designation: O<sub>2</sub>/4P, sentence: See information supplied by the manufacturer, serial number.*

***All and any product modifications concerning this certificate should be notified to the Centre of Certification of Products and Management Systems of Central Institute for Labour Protection-National Research Institute. This certificate remains valid until the harmonized standard referred to above can be applied as a basis for product assessment. Should this standard be amended, a notified body will advise a certificate holder on the scope of the introduced modifications and on the date from which a new edition of the standard will be applied to the product assessment process.***