

LOM

# J.M. MADARIAGA OFFICIAL LABORATORY

## EXPLOSIVES FOR CIVILIAN USE

### 1. EC TYPE-EXAMINATION CERTIFICATE

2. LOM 01 BXP4293

3. This certificate is issued for:

PRIMACORD detonating fuse. Types: DETACORD, 2AP CORD and E-CORD.

4. For a model produced for:

UNIÓN EXPLOSIVOS-ENSGN BICKFORD SISTEMAS DE INICIACIÓN  
 Barrio Zuazo, s/n  
48960 Galdácano (Vizcaya)

and submitted for certification by:

UNIÓN ESPAÑOLA DE EXPLOSIVOS, S.A.  
 Avda. Del Partenón, 16, Planta 5ª  
 Campo de las Naciones  
28042 Madrid

5. This product model is specified in the annex to this certificate and in the descriptive documents listed therein.

6. The J.M. Madariaga Official Laboratory (LOM), Notified Body no. 0163, in accordance with Article 6-2 of the European Community Council Directive 93/15/CEE of 5 April 1993,  
**HEREBY CERTIFIES:**

- That this product model complies with the Essential Safety Requirements established in ANNEX I of the Directive.

Madrid, 9 July 2001

[illegible signature]  
 Carlos Fernández Ramón  
 LABORATORY MANAGER

[illegible signature]  
 Francisco Rodríguez García  
 Explosives and Accessories  
 Area Manager

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MADRID TECHNICAL COLLEGE  
 TESTS AND RESEARCH ON MATERIALS AND EQUIPMENT FOR EXPLOSIVE ATMOSPHERES AND MINING  
 (Royal Decree 334/1992 of April 3 - BOE 1992-04-29)

**ENAC**  
 INSPECTION

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**J.M. MADARIAGA OFFICIAL LABORATORY****ANNEX  
LOM01EXP4293****(A1) PRODUCT NAME**

PRIMACORD Detonating Fuse. Types: DETACORD, 2AP CORD and E-CORD.

**(A2) PRODUCT DESCRIPTION**

The PRIMACORD Detonating Fuse essentially consists of an explosive nucleus covered by a series of ribbon and a plastic covering.

**(A3) PERTINENT DOCUMENTATION**

a) Confidential protocol of the LOM 01.068 CP verifications and tests.

b) Descriptive documents:

- Technical Report for the EC Brand certification of the PRIMACORD Detonating Fuse. Types: DETACORD, 2AP CORD and E-CORD, according to the Essential Safety Requirements found in the STI No. 1 of the Explosives Regulations (Royal Decree 230/1998 of 16 February), dated 2001 06-26 (10 pages), Reference: 06/01, Rev. 0.
- Plan No. 05-602-051 dated 2001-07-06.

c) Additional documentation

Safety instructions dated 2001-06-26 (6 pages). Reference 06/01 Rev. 0.

**(A4) CHARACTERISTIC CONDITIONS**

Useful life of the PRIMACORD Detonating Fuse: 4 years from the manufacture date

**(A5) LABELING OF CERTIFIED MATERIAL:**

The product manufactured in accordance with this certified model must include the following indications:

Accessory: PRIMACORD Detonating Fuse. Types: DETACORD, 2AP CORD and E-CORD  
LOM 01EXP4293  
Manufacture date or manufacture lot identification.

[LOM Laboratory Seal]