

**J. M. MADARIAGA OFFICIAL LABORATORY**  
**EXPLOSIVES FOR CIVIL USE**

(A1) "CE" STANDARD CERTIFICATE SUPPLEMENT

(A2) REQUESTED BY:

UEB  
Avda. del Partenón, 16. Planta 5ª  
Campo de las Naciones  
28042 Madrid

(A3) LOM CE/Ep 97.2027/01

(A4) PURPOSE OF THE SUPPLEMENT

To increase the cover of the LOM CE/Ep 97.2027 Certificate, to include the following variations:

- Iron wire  $\phi = 0.60$  mm, with PVC covering
- Copper wire  $\phi = 0.72$  mm and 0.80 mm, with PVC covering
- Copper wire  $\phi = 0.60$  mm, 0.72 mm and 0.80 mm, with PE covering

(A5) DOCUMENTS SUBMITTED

- Extension of the RIODET Detonators Technical Reports, Ref.: Sup. RIODET. Rev. 0, dated 2003-02-14 (8 pages).

(A6) APPLICABLE DIRECTIVE

Directive 93/15/EEC, of 5 April 1993.

(A7) TESTING AND CHECKS PERFORMED

The checks performed have been filed in confidential protocol LOM 03.005 PP

(A8) AMENDMENTS TO THE SPECIFIC CONDITIONS

None.

(A9) CHANGES TO THE MARKING

None

(A10) AMENDMENTS TO THE ADDITIONAL CONDITIONS

None.

Madrid, 14 January 2004

Signatures of:

Carlos Fernández Ramón  
LABORATORY DIRECTOR

Francisco Rodríguez García  
Head of Explosives-Accessories Division

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Page 1/1

**MADRID POLÍTECNICA UNIVERSITY**

Testing and researching materials and equipment for mining and explosive atmospheres  
(Royal Decree 334/1992 of 3 April – BOE (Spanish Official Gazette) 1992-04-29)