



GB Explosives Notified Body, Health & Safety Laboratory, Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/012/010 Issue 2

1. **Product Type:** Propellant .
2. **Product Name:** ALLIANT SMOKELESS POWDERS as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** Alliant Techsystems.
4. **Applicant's Name:** Edgar Brothers Ltd.
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC on the harmonization of the provisions relating to the placing on the market and supervision of transfers of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr P Shelley
Director, GB Explosives Notified Body
12 April 2010

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/012/010 Issue 2

1050 (OEM)	950 (OEM)	M-9 Flake (OEM)
1051 (OEM)	953 (OEM)	No. 2400 (C)
1525 (OEM)	American Select (C)	PC-1 (OEM)
1550 (OEM)	American Select (OEM)	PC-2 (OEM)
1660 (OEM)	American Select-15 (OEM)	Power Pistol (C)
22 Caliber (OEM)	American Select-50 (OEM)	Primer Fines (OEM)
2385 (OEM)	Blue Dot (C)	Red Dot (C)
2400 (OEM)	Blue Dot (OEM)	Red Dot (OEM)
2407 (OEM)	Bullseye (C)	Red Dot 15 (OEM)
2585 (OEM)	Bullseye (OEM)	Red Dot 50 (OEM)
2586 (OEM)	Bullseye-84 (OEM)	Red Dot 80 (OEM)
305 (OEM)	Bullseye-85 (OEM)	Reloder 12 (C)
351 (OEM)	Bullseye-86 (OEM)	Reloder 15 (C)
353 (OEM)	Bullseye-88 (OEM)	Reloder 19 (C)
354 (OEM)	Bullseye-88FS (OEM)	Reloder 22 (C)
355 (OEM)	Green Dot (C)	Reloder 25 (C)
356 (OEM)	Green Dot (OEM)	Reloder 7 (C)
3570 (OEM)	H-15 (OEM)	Reloder 7 (OEM)
360 (OEM)	H-17 (OEM)	SS-252 (OEM)
368 (OEM)	H-3 (OEM)	SS-253 (OEM)
369 (OEM)	H-5 (OEM)	SS-254 (OEM)
375 (OEM)	HERCO (C)	SS-255 (OEM)
376 (OEM)	HERCO (OEM)	SS-257 (OEM)
378 (OEM)	HERCO 140 (OEM)	SS-257F (OEM)
379 (OEM)	HERCO 204 (OEM)	SS-259 (OEM)
380 (OEM)	HERCO 205 (OEM)	SS-262 (OEM)
381 (OEM)	HM-80 (OEM)	SS-270 (OEM)
385 (OEM)	HM-85 (OEM)	Steel (C)
481 (OEM)	HM-90 (OEM)	Unique (C)
483 (OEM)	Infallible (OEM)	Unique (OEM)
		Unique 20 (OEM)

C = Canister

OEM = Original Equipment Manufacturer





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/129/011 Issue 2

1. **Product Type:** Propellant.
2. **Product Name:** IMPULSE CARTRIDGES as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** Cartridge Actuated Devices Inc.
4. **Applicant's Name:** Cartridge Actuated Devices Inc.
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr S Myatt
Director, GB Explosives Notified Body

5 January 2011

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/129/011 Issue 2

Pressure Cartridge Kit, Breeze-Eastern Part No. BL-11140-1

(The Pressure Cartridge Kit contains an Impulse Cartridge, Breeze-Eastern Corporation Part No. BL-9280, Cartridge Actuated Devices Inc. Part No. 072066-1).



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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/113/11 Issue 3

1. **Product Type:** Propellant.
2. **Product Name:** ROCKRACKER ROCK-BREAKING CARTRIDGES as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** RockTek USA Ltd.
4. **Applicant's Name:** RockTek USA Ltd.
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr SJ Myatt
Director, GB Explosives Notified Body

17 January 2011

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/113/11 Issue 3

RocCracker Cartridges without an Ignition Aid

RocCracker 27/10 S
RocCracker 27/10 E
RocCracker 27/30 S
RocCracker 27/30 E
RocCracker 27/60 S
RocCracker 27/60 E
RocCracker 42/60 S
RocCracker 42/60 E
RocCracker 42/100 S
RocCracker 42/100 E
RocCracker 60/100 S
RocCracker 60/100 E
RocCracker 60/200 S
RocCracker 60/200 E
RocCracker 60/300 S
RocCracker 60/300 E

RocCracker Cartridges with an Ignition Aid

RocCracker 27.5/20(E)
RocCracker 27.5/20(S)
RocCracker 27.5/40(E)
RocCracker 27.5/40(S)
RocCracker 27.5/100(E)
RocCracker 27.5/100(S)
RocCracker 27.5/100(B) no igniter
RocCracker 42/100(E)
RocCracker 42/100(S)
RocCracker 42/200(E)
RocCracker 42/200(S)
RocCracker 60/300(E)
RocCracker 60/300(S)
RocCracker 60/500(E)
RocCracker 60/500(S)

Notes

Type E is fitted with an electric igniter.
Type S is fitted with a shock tube igniter.



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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519 CERTIFICATE NO: ENB/P/010/010 Issue 3

- 1. Product Type:** Propellant .
- 2. Product Name:** HODGDON SINGLE AND DOUBLE BASE EXTRUDED SMOKELESS POWDERS as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name:** Thales Australia Limited, Australia for Hodgdon Powder Co.
- 4. Applicant's Name:** Hodgdon Powder Co. (UK) Ltd.
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr P Shelley
Director, Explosives Notified Body
4 February 2010

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/010/010 Issue 3

Single Base Smokeless Powders

Hodgdon Names, Thales Australia Limited Names in Parenthesis

H4227 (AR2205)

H4198 (AR2207)

H4895 (AR2206)

H322 (AR2210), also known as AR2219, Bench Mark, Bench Mark 2, BM2

H4350 (AR2209)

H4831 (AR2213)

H1000 (AR2217)

VARGET (AR2208)

H4831SC (AR2213S)

H50BMG (AR2218)

Double Base Smokeless Powders

Hodgdon Names, Thales Australia Limited Names in Parenthesis

Clays (AS-30N, AP-30N)

International (AS-50N, AP-50N)

Universal (AS-70N, AP-70N)



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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/136/007 Issue 1

- 1. Product Type:** Propellant.
- 2. Product Name:** E-GUN CARTRIDGES as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name:** Accurate Energetic Systems for Baker Atlas.
- 4. Applicant's Name:** Accurate Energetic Systems.
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body

29 November 2007

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/136/007 Issue 1

E-Gun Cartridge Family F199250-709

F039920-000	Cartridge Assembly E-Gun 3 1/4"
F039555-000	Cartridge Assembly E-Gun 4.0"
F138855-000	Cartridge Assembly E-Gun 3 1/4", 1/4" Bullet

E-Gun Powder Load Family F199250-710

F131631-009	Cartridge Powder Load Assembly E-Gun 9.0 Grams
F131631-011	Cartridge Powder Load Assembly E-Gun 11.0 Grams
F131631-014	Cartridge Powder Load Assembly E-Gun 14.0 Grams





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/108/006 Issue 1

1. **Product Type:** Propellant.
2. **Product Name:** ACS-RL SOLID PROPELLANT GAS GENERATORS (MODEL ROCKET MOTOR AND OILFIELD) as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** ACS Reaction Labs.
4. **Applicant's Name:** The Falcon Project.
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body

22 March 2006



**HEALTH & SAFETY
LABORATORY**

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/108/006 Issue 1

24 mm Grain Type 1
24 mm Grain Type 2
29 mm Grain Type 1
29 mm Grain Type 2
29 mm Grain Type 3
29 mm Grain EB Type 1
29 mm Grain EB Type 2
38 mm Grain Type 1
38 mm Grain Type 2
38 mm Grain EB
54 mm Grain Type 1
54 mm Grain Type 2
54 mm Grain Type 3
54 mm Grain Type 4
54 mm Grain Type 5
Hybrid/Liquid Igniter Grain
Delay Grain

Notes

The Hybrid/Liquid Igniter Grain and the 24 mm, 29 mm, 38 mm and 54 mm Grains may be made using Type FS, Type WS, Type STD, Type F or Type BK Propellant.





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/030/002 Issue 1

1. **Product Type:** Propellant.
2. **Product Name:** PROPELLANT CARTRIDGES as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** Baker Atlas
4. **Applicant's Name:** Baker Atlas
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body

19 July 2002

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/030/002 Issue 1

Part Number	Product Designation
557381-000	Propellant Pack-Two 65 Grain Sticks
557414-000	Propellant Pack-Two 150 Grain Sticks
557445-000	Propellant Pack-Two 350 Grain Sticks
557486-000	Propellant Pack-One 700 Grain Stick
557525-000	Propellant Pack-One 500 Grain Stick
557533-000	Propellant Pack-One 600 Grain Stick
557556-000	Propellant Pack-Two 225 Grain Sticks
557624-000	Propellant Pack-One 800 Grain Stick





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/032/003 Issue 2

- 1. Product Type:** Propellant.
- 2. Product Name:** E-GUN CARTRIDGES as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name:** Baker Atlas
- 4. Applicant's Name:** Baker Atlas
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body

25 April 2003



ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/032/003 Issue 2

E-gun Cartridge Family 199250-709

039920-000	Cartridge Assembly E-Gun 3 1/4"
039555-000	Cartridge Assembly E-Gun 4.0"
138855-000	Cartridge Assembly E-Gun 3 1/4", 1/4" Bullet

E-Gun Powder Load Family 199250-710

131631-009	Cartridge Powder Load Assembly E-Gun 9.0 Grams
131631-011	Cartridge Powder Load Assembly E-Gun 11.0 Grams
131631-014	Cartridge Powder Load Assembly E-Gun 14.0 Grams





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/033/006 Issue 2

1. **Product Type:** Propellant.
2. **Product Name:** COREGUN CARTRIDGES as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** Baker Atlas
4. **Applicant's Name:** Baker Atlas
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body

30 June 2006

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/033/006 Issue 2

Coregun Cartridge Family 380 °F 199250-706

110280-027 Cartridge CM Powder Load 380 °F 2.7 Gram
110280-030 Cartridge CM Powder Load 380 °F 3.0 Gram
110280-035 Cartridge CM Powder Load 380 °F 3.5 Gram
110280-040 Cartridge CM Powder Load 380 °F 4.0 Gram
110280-045 Cartridge CM Powder Load 380 °F 4.5 Gram
110280-050 Cartridge CM Powder Load 380 °F 5.0 Gram
110280-060 Cartridge CM Powder Load 380 °F 6.0 Gram

F110280127 Cartridge CM Powder Load 380 °F 2.7 Gram
F110280130 Cartridge CM Powder Load 380 °F 3.0 Gram
F110280135 Cartridge CM Powder Load 380 °F 3.5 Gram
F110280140 Cartridge CM Powder Load 380 °F 4.0 Gram
F110280145 Cartridge CM Powder Load 380 °F 4.5 Gram
F110280150 Cartridge CM Powder Load 380 °F 5.0 Gram
F110280160 Cartridge CM Powder Load 380 °F 6.0 Gram

Coregun Cartridge Family 370 °F 199250-707

110298-027 Cartridge CM Powder Load 370 °F 2.7 Gram
110298-030 Cartridge CM Powder Load 370 °F 3.0 Gram
110298-040 Cartridge CM Powder Load 370 °F 4.0 Gram
110298-050 Cartridge CM Powder Load 370 °F 5.0 Gram
110298-060 Cartridge CM Powder Load 370 °F 6.0 Gram
110298-070 Cartridge CM Powder Load 370 °F 7.0 Gram





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/081/004 Issue 1

- 1. Product Type:** Propellant.
- 2. Product Name:** IGNITERS AND POWER CHARGES as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name:** Baker Oil Tools
- 4. Applicant's Name:** Baker Oil Tools
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body

9 February 2004

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/081/004 Issue 1

Igniters

H437442200, BP-3S Primary Igniter
H437444200, BP-4S Primary Igniter
H437431000, Secondary Igniter
H437461000, E-12 Igniter

Power Charges

H437665225, #05 Low Temp Slow Set Power Charge
H437660700, #07 Slow Set Power Charge
H437660010, #10 Slow Set Power Charge
H437660020, #20 Slow Set Power Charge
H437660550, #05 Slow Set Power Charge





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/058/010 Issue 4

1. **Product Type:** Propellant.
2. **Product Name:** SHOTGUN POWDERS as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** Chemring Energetics UK Ltd.
4. **Applicant's Name:** Chemring Energetics UK Ltd.
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr P Shelley
Director, GB Explosives Notified Body

18 May 2010

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/058/010 Issue 4

HCC Range

HCC24
HCC28
HCC30
HCC (C1)
HCC (C3)

SOLO Range

SOLO 1000
SOLO 1250
SOLO 1500
SOLO 1750
SOLO 2000
SOLO 2250

NE Range

NE 28
NE 30
NE 32
NE 34
NE 36





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/068/010 Issue 4

- 1. Product Type:** Propellant.
- 2. Product Name:** NOBEL FIRE SYSTEM CARTRIDGES as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name:** Chemring Energetics UK Ltd.
- 4. Applicant's Name:** Chemring Energetics UK Ltd.
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate;

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr P Shelley
Director, GB Explosives Notified Body

18 May 2010

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/068/010 Issue 4

Gas Generator GG1
Gas Generator GG2
Gas Generator GG3



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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/119/010 Issue 2

- 1. Product Type:** Propellant.
- 2. Product Name:** MECHANITE PROPELLANTS as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name and Address:** Chemring Energetics UK Ltd.
- 4. Applicant's Name and Address:** Chemring Energetics UK Ltd.
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr P Shelley
Director, GB Explosives Notified Body

18 May 2010

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/119/010 Issue 2

Mechanite 1
Mechanite 2
Mechanite 5A
Mechanite 10
Mechanite 11
Mechanite 13
Mechanite 14
Mechanite 16
Mechanite 17
Mechanite 19
Mechanite 21
Mechanite 22
Mechanite 23



**HEALTH & SAFETY
LABORATORY**



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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/011/006 Issue 4

1. **Product Type:** Propellant.
2. **Product Name:** VIHTAVUORI SINGLE AND DOUBLE BASE SMOKELESS POWDERS as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** EURENCO
4. **Applicant's Name:** EURENCO
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body
4 January 2006



ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/011/006 Issue 4

N100- Series Single Base Smokeless Powders

N105

N110 also known as R910 when sold by Dynamit Nobel GmbH¹

N120

N125

N130

N132

N133

N160

N134

N161

N135

N165

N140

N170

N150

24N41

N151

20N29

N300- Series and 3N- Series Single Base Smokeless Powders

N310

N322

N342

N32C

N312

N324

N344

N315

N325

N347

N316

N326

N350

N317

N328

N360

N318

N330

3N17

N319

N331

3N36

N320

N338

3N37

N321

N340

3N38

N500- Series Double Base Smokeless Powders

N525

N530

N540

N550

N560

N570

Notes

1. Dynamit Nobel GmbH, Explosivstoff- und Systemtechnik, Umweltschutz / Genehmigungen, Standort Stadeln, Kronacher Str. 63, D-90765 Fürth, Germany.



GB Explosives Notified Body, Health & Safety Laboratory, Harpur Hill, Buxton, Derbyshire, SK17 9JN, United Kingdom
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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/096/006 Issue 1

- 1. Product Type:** Propellant.
- 2. Product Name:** PYRODEX POWDERS as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name:** Hodgdon Powder Co.
- 4. Applicant's Name:** Edgar Brothers.
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr P Shelley
Director, GB Explosives Notified Body

12 April 2010

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/096/006 Issue 1

Pyrodex Fines
Pyrodex Pistol (known as "P")
Pyrodex Extruded Pistol
Pyrodex Rifle/Shotgun (known as "RS")
Pyrodex Extruded Rifle/Shotgun
Pyrodex Select (known as "S")
Pyrodex Cartridge (known as "CTG")
Pyrodex Overs
Pyrodex Pellets





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/006/010 Issue 4

1. **Product Type:** Propellant.
2. **Product Name:** PYRODEX AND TRIPLE SEVEN POWDERS as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** Hodgdon Powder Company.
4. **Applicant's Name:** Hodgdon Powder Co. (UK) Ltd.
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr P Shelley
Director, GB Explosives Notified Body

12 April 2010

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/006/010 Issue 4

Pyrodex Fines
Pyrodex Pistol (known as "P")
Pyrodex Extruded Pistol
Pyrodex Rifle/Shotgun (known as "RS")
Pyrodex Extruded Rifle/Shotgun
Pyrodex Select (known as "S")
Pyrodex Cartridge (known as "CTG")
Pyrodex Overs
Pyrodex Pellets

Triple Seven Fines
Triple Seven FFFFg
Triple Seven FFFg
Triple Seven FFg
Triple Seven Fg
Triple Seven Overs
Triple Seven Pellets





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/089/11 Issue 3

- 1. Product Type:** Propellant.
- 2. Product Name:** HODGDON IMR SMOKELESS POWDERS as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name:** GD-OTS Canada and Thales Australia, for repackaging by Hodgdon Powder Company Inc.
- 4. Applicant's Name:** Hodgdon Powder Company Inc.
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate; Annex 2: list of technical documents examined.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Mr S Myatt
Director, GB Explosives Notified Body

2011



ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/089/11 Issue 3

Double Base Powders (GD-OTS Canada Valleyfield)

Hi-Skor 700X
Hi-Skor 800X

Single Base Powders (GD-OTS Canada Valleyfield)

IMR3031
IMR4064
IMR4198
IMR4227
IMR4320
IMR4350
IMR4831
IMR4895
IMR7828
IMR7828SSC
PB
SR4756
SR4759
SR7625

Single Base Powders (ADI Limited)

Trail Boss (AS25BP)





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/083/004 Issue 1

1. **Product Type:** Propellant.
2. **Product Name:** CARTRIDGES as listed in Annex 1 to this certificate.
3. **Manufacturer's Name:** Kidde Aerospace
4. **Applicant's Name:** Kidde Aerospace
5. **Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body

28 May 2004

ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/083/004 Issue 1

PART NUMBER
Cartridge, Large Cup-Type
446041
446046
446047
878562
878563
876299-3
876561-1
876561-2
877597-1
877744-03
877744-2
Cartridge, Slug-Type
472001
897776
898558
898997
472001-01
841155-1
872627-01
872627-02
873364-1
873571-01
873571-02
874000-01
894846-1
895188-1
895408-1
895409-1
897776-01
897899-1
897899-2
897899-3
898558-01



Cartridge, Small Cup-Type
283000
446032
446090
446138
446139
446158
446161
446189
446195
446196
446197
446201
446203
446224
446225
446226
446282
446283
446290
446307
446384
446479
446596
446616
446617
446705
446736
446738
446754
878492
878493
262299-1
262299-2
446090-1
446090-2
446090-3
446161-1
446189-1
446347-1
446384-1
446384-2
446518-1



446582-1
446582-2
446582-3
876296-2
876296-3
876561-3
878492-1
878492-2
878493-1
878493-2
878562-1
878562-2
878563-1
878563-2
A805300-12





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EC TYPE EXAMINATION CERTIFICATE

NOTIFIED BODY NO: 0519

CERTIFICATE NO: ENB/P/074/003 Issue 1

- 1. Product Type:** Propellant.
- 2. Product Name:** CARTRIDGE UNITS as listed in Annex 1 to this certificate.
- 3. Manufacturer's Name:** Kidde Graviner Ltd
- 4. Applicant's Name:** Kidde Graviner Ltd
- 5. Attachments to this Certificate:** Annex 1: products covered by this certificate.

Being a notified body in accordance with the GB Statutory Instrument No 2714 (1993) and Directive 93/15/EEC of 5 April 1993 on the harmonization of the provisions relating to the placing on the market and supervision of explosives for civil uses, the Explosives Notified Body certifies that the above type of product has been examined using Module B of the system for attesting conformity and has been found to conform with the manufacturer's specifications for the type and with the relevant requirements of the Statutory Instrument and the Directive.

Dr R K Wharton
Director, GB Explosives Notified Body

22 October 2003



ANNEX 1 TO EC TYPE EXAMINATION CERTIFICATE ENB/P/074/003 Issue 1

Description	Part No.
Cartridge, Electric No. 1 Mk. 3, 3 Pin, Type A717-3	58311-003
Cartridge, Electric No. 1 Mk. 3, 2 Pin, Type A716-3	58311-004
Cartridge, Electric No. 3 Mk. 3, 2 Pin, Type A718-3	58311-006
Cartridge, Electric No. 3 Mk. 3, 3 Pin, Type A719-3	58311-007
Cartridge Unit 'A' (Souriau 6 Pin), Type 226A(1)	58311-008
Cartridge Unit 'B' (Souriau 6 Pin), Type 227A(1)	58311-009
Cartridge, Electric Operating, Fire Extinguisher No. 4 Mk. 1, Type 222A(2)	58311-010
Cartridge, Electric Operating, Fire Extinguisher No. 5 Mk. 1, Type 223A(2)	58311-011
Cartridge Unit, Type 254A	58311-012
Cartridge Unit Mk. 4, 2 Pin M.S., Type 214A(1)	58311-013
12V Cartridge Unit Assembly 2 Pin Plessey, Type A769-3	58311-014
Match Head Cartridge Unit, Type A1297	58311-016
Cartridge 2 Pin M.S. Type 264A(1)	58311-019
Cartridge Unit Mk. 3 55/85V D.C., 4 Pin Tichel (Plessey), Type A1092(2)	58311-022
Cartridge 3 Pin M.S. Type 265A(1)	58311-024
Cartridge 2 Pin Plessey, Type 252A	58311-027
Cartridge 3 Pin Plessey, Type 253A(1)	58311-028
12V Cartridge Unit 2 Pin, Type A1143(1)	58311-029
Cartridge Unit Mk. 4, 2 Pin Plessey, Type 202A(1)	58311-036
Cartridge Unit, 2 Pin, Match Head Fuse, Type A1339	58311-037
Cartridge Unit	58311-040
Cartridge Unit	58311-045
Assembly of Cartridge (Obsolete)	58311-501
Assembly of Cartridge	58311-503
Assembly of Cartridge	58311-504
Assembly of Cartridge	58311-505
Squib Assembly (Used on 58311-019, -024, -027, -028)	44813-131
Squib Assembly (Used on 58311-019 as an alternative to 44813-131)	44813-138
Match Head Cartridge (Used on 58311-040)	44813-305
Squib Assembly (Used on 58311-045)	44813-306

