

AMMUNITION MEASUREMENT REPORT N° 212-2ème présentation on 17/06/2020

DELIVERED TO:

IMI SYSTEMS

BIALIK 64 ST.

P.O.BOX 1044

Ramat Hasharon 4711001 - Israel

SUBJECT: Type testing

according to CIP's decisions

Manufacturing test

TESTED SAMPLE(S)

CALIBER: 338 Lapua Mag.

TYPE: Long Range Tactical

LOT: 001/15

SIZE: ≤500000 pieces

This report shows only the characteristics of the sample under test and is without prejudice to the characteristics of similar products. So it is not a product certification within the meaning of article L115-27 of the code of consumption and of the law of June 3, 1994.

To declare conformity or nonconformity, he was did not account of the uncertainty associated with the result.

The report contains 4 page(s).



Any reproduction of this report is permitted only in the form of full photographic facsimile unless specific written agreement of the National Proof House.

In case of issuance of this report electronically and/or on electronic physical media, only the report in the form of paper signed by the National Proof House is authoritative in case of dispute. This report in the form of paper is kept at the BNE for a minimum period of 20 years.

1. Check of the basic package

⊠Yes □No	
⊠Yes □No	
⊠Yes □No	
Yes No	⊠ N/A
☐Yes ⊠No	
⊠Yes □No	
	⊠ N/A
Yes No	⊠ N/A
□Yes □No	⊠ N/A
Yes No	⊠ N/A
☐Yes ☐No	⊠ N/A
⊠Yes □No	
⊠Yes □No	
⊠Yes	
	Yes

2. Check of the existence of distinctive markings on each cartridge and, for lead free cartridges, the component parts of the cartridges

he following marks must bear on the cartridge:			
Admissible number of marking defects 2,3,5,8, according to lot size (double in case of type testing)	Number of defects	Number of admissible defects	
a) The identity of the cartridge manufacturer or the person who re-filled them or the person guaranteeing them (identification must be provided by a manufacturer's mark or a mark of origin applied in indelible fashion either to the base or the casing).	0	2	
b) On the base of centrefire ammunition, the caliber in compliance with C.I.P. nomenclature. If it is impossible for technical reasons to show the caliber on the base, it may be marked in indelible fashion on the body of the casing.	0	2	
c) The shell for the munitions intended for weapons with a smooth barrel of 20 gauge should be yellow in colour.	N/A	2	
d) For ammunition loaded with lead shot or lead free shot the diameter in mm of the shot and the length of the cartridge case if it exceeds: - 65 mm for 20 bore and above - 63.5 mm for 24 bore and below.	YesNo	⊠ N/A	
e) The proof ammunition are identified either by a serrated rim, or by the colour red on the rear face of the rim, or by the whole cartridge case being red in colour, or by the words "Proof Ammunition" coupled with the proof pressure for that caliber on the body of the cartridge case in one of the languages used by C.I.P. Member States;	Yes No	⊠ N/A	
f) The high performance ammunition for smooth bore weapons are identified either by a different color on the rear face of the rim, or by the words "Max. 1050 bar "or "For a weapon proofed by 1320 bar" on the body of the cartridge case in one of the languages used by C.I.P. Member States.	Yes No	⊠ N/A	
g) Ammunition meant to be fired from dust shot weapons must have different dimensions in order that such rounds may not be inserted into alarm weapons.	Yes No	⊠ N/A	
h) In the case of cartridges loaded with lead free shot, a factory marking giving the nature of the main shot material must be printed on the cartridge tube. The same inscription could also be added in one of the languages used by the CIP Member States.	Yes No	⊠n/a	
3. Check of the absence of defects of the cartridg	es before f	iring	
Admissible number of marking defects 2,3,5,8, according to lot size (double in case of type testing)	Number of defects	Number of admissible defects	
a) Longitudinal fissures at the mouth, over 3 mm	0	2	
ack of the following defects:			
b) Wrong caliber	⊠Yes		
c) Longitudinal fissures at the mouth, over 3 mm	⊠Yes No		
d) All other longitudinal and/or transverse fissures	⊠Yes □No		
e) Rupture of the base	⊠Yes		

4. Check of the dimensions		
a) Conformity of the important dimensions from the point of view of safety : All ammunition sampled must conform to fixed dimension limits considered important from the point of view of safety.	⊠Yes	
b) Conformity of the dimensions which define the type: Fixed dimension limits for type definition are checked by means of a general gauge, taking into account minimum dimensions of chambers as referred to in Addendum A. All ammunition sampled must enter smoothly into the gauge	⊠Yes ☐ No	
c) In the case of cartridges for alarm weapons, the total length after firing (L3) is also measured for those cartridges which were used to determine the gas pressure or energy.	Yes No	⊠ N/A
d) The primer is checked to verify if it does not protrude above the level of the base of the ammunition	⊠Yes	
e) The lead free shot of types B and C contained in standard cartridges must have:		
 Cartridges cal.12 shot diameter ≤ 3.25mm (+2%) Cartridges cal.16 shot diameter ≤ 3.00 mm (+2%) Cartridges cal. 20 shot diameter ≤ 3.00 mm (+2%) 	Yes No Yes No Yes No	⊠ N/A ⊠ N/A ⊠ N/A
5. Check of the mean pressure, the equivalent pa	arameters i	n the case of
a special ammunition and, for the lead-free cartridges types momentum.	s B and C, of the mea	n velocity and the
See the herewith measurement report n° 212-2ème présentation		
All the results are conform	⊠Yes	
6. Check of the operating safety		
During the shots in the pressure barrel, lack of the following defects:		
a) Escape of gases towards the rear, beyond the lock b) Seizing of the projectile, or parts thereof, within the barrel c) Tearing of the cartridge case, which remains completely or partially within the barrel d) Total stripping of the cartridge case e) Bursting of the cartridge case base	Yes No Yes No	
f) in addition, in the case of cartridges for alarm weapons, any discharge of fragments or particles of propellant, wad, etc. from the cartridge case, which have penetrated a sheet of A2 size paper of quality 100-115 g/m2 and thickness of 0.12 \pm 0.02 mm mounted on a support at a distance of 1.5 m from the muzzle of the pressure measurement barrel.	Yes No	⊠ N/A
DECISION: ⊠ ACCEPTED ☐ REFUSED		
COMMENTS: Add CIP marking for production. The Director of the Banc National d'Epreuve		

Rapport de contr^NLe le fabrication N° **212-2ème présentation** du **17/06/2020**- Page 4 sur 4 C:\Users\lefort.99m\AppData\Roaming\Microsoft\Templates\Normal.dotm W:\Essais de cartouches\CLIENTS\IMI\PV CFC-Homologation\Rapport 2020-25A CFC 338 Lapua Mag..docx

-M BERTHEL





Banc National d'Epreuve Saint-Etienne

RAYE Homologation

Calibre: 338 Lapua Mag.

Type cartouche: Fabricant:

I.M.I.

Canon:

.338 Lapua Magnum (76)

Longueur canon: 650.0 mm

Capteurs: 6215(1) (SN5269056) - 1.38 - KISTLER 5015

Température: 21.3 °C Humidité rel.: 50 %

SIERRA MATCH King

Technicien:

250.0 gr

Pression atm: 963 mBar
Bulletin n°: 4296
Date de tir: 2020-06-16

LEFORT P.

Date charg.:
CONTROLE:
CARTOUCHE

Marque culot:

Hauteur:

Importateur:

Num Lot:

001-15 2020-06-16

91.2 mm

IMI .338 LAPUA 12

VITESSE-PRESSION

CLIENT:

I.M.I.

POUDRE PROJECTILE

Type: Lot: Masse:

Type: Masse:

N° imprimé: Diamètre:

Nature tube: Couleur tube: Hauteur culot: Sertissage: Bourre:

Type d'amorce:

Dureté: Ecrasement:

Nr	V2.5	PMax1	Remarque						
1	871.2	3 689							
2	882.2	3 931							
3	883.2	4 004							
4	883.2	3 956						1	
5	868.7	3 794							
6	878.0	3 912			1				
7	885.7	4 008							l
8	882.1	3 967							
9	886.8	4 050				-			
10	879.0	3 970							
11	884.5	3 994					ì		
12	867.4	3 788	}					[
13	889.7	4 121				1			
14	885.5	4 050				1			
15	875.5	3 842		1					ŀ
16	869.1	3 800		1	1				
17	889.6	4 127		1					
18	885.7	3 993							ŀ
19	879.3	3 973			1]			}
20	879.3	3 939							
21	882.8	3 977							
22	875.2	3 871							}
23	885.0	4 055				1			}
25	879.6	3 959		1		1			
25	877.1	3 887		1					
1				1		}	1		
			1						
				1	}				
- 1				1					
- 1					1				
				1					
- 1									

Commentaires:

Page 1 of2





Banc National d'Epreuve Saint-Etienne

RAYE Homologation

Calibre: 338 Lapua Mag.

Type cartouche:

Fabricant: LM.I.

Importateur:

001-15 Num Lot: Date charg.: 2020-06-16

.338 Lapua Magnum (76) Longueur canon: 650.0 mm

Capteurs: 6215(1) (SN5269056) - 1.38 - KISTLER 5015

Pression atm: Bulletin n°: Date de tir:

Température:

Humidité rel.:

963 mBar 4296 2020-06-16

21.3 °C

50 %

Technicien: LEFORT P

CONTROLE: VITESSE-PRESSION CLIENT:

CARTOUCHE Marque culot:

IMI .338 LAPUA 12

91.2 mm

Type: Lot: Masse:

POUDRE

Type:

LM.I.

SIERRA MATCH King 250.0 gr

Masse: N° imprimé:

Diamètre: Dureté: Ecrasement:

PROJECTILE

Couleur tube: Hauteur culot: Sertissage:

Nature tube:

Type d'amorce:

Bourre:

Hauteur:

Nr	V2.5	PMax1	Remarque						
26	876.7	3 892							
27	875.4	3 899	1				1	1	
28	875.8	3 884	1 1						
29	880.9	3 958	1					1	
30	881.3	4 016							
31	881.8	3 987		1					
32	876,1	3 970	1					1	
33	891.7	4 166							
34	867.5	3 802	1		1				
35	877.2	3 905							
36	876.5	3 882		1			1		
37	883.9	4 014				1			
38	873.2	3 864							
39	882.8	4 019	1 1				1		
40	885.6	4 060							
Moy	879.8	3 949							
EcType	6.1	100							
Max	891.7	4 166		1					
Min	867.4	3 689							
EcTot	24.3	477				1			1

Nbr tirs:

Critère 2: Critère 3: Critère 4: Critère 5: Critère 6:

40 Critère 1: PMax1 Pn <= PMax

Kxn: 2.94

P Moy. stat CIP: 4 830 3 949.0 <= 4 200.0

4 243.0 <= 4 830.0

P Moy. stat obtenue: 4 243

Conforme Conforme

Critère 7: Conclusion CIP:

Conforme

PMax1_Pn+(K1n*PMax1_Sn) <= PK

Commentaires:

Signature:



Page 2 de2

