

ID of Report:	11003477 002-A	Project ID: 00001301	Page 1 of 6
Manufacturer	Name: YG Yangın Güvenliği San. ve Dış. Tic. Ltd. Şti. Address: 4.Levent Sanayi Bölgesi Yeşilce Mah. Ulubaş Cad. Dostluk Sok. No: 12-1 Daire No: 6-7 Kağıthane/İstanbul/Turkey		
Generic type:	Gas generator	Category: P1	
Subtype:	Pyrotechnic fire-fighting device		
Number of samples: 10		Number of items in family: 1	
Detailed Report : Annex A			

Result of assessment: The products meet the essential safety requirements of directive of 2013/29/EU.

From technical aspect the issuing of certificate is **PROPOSED**.

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Date: 22.06.2021

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signature

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ASSESSMENT REPORT of EU-type examination

Notified Body 2806

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List of tested items

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Code:

Name:

SUPER FIRE BAL

Code:

Name:

Detailed Assessment Report

ID of Test report:	11003477 002-A	Category:	P1
Number of sample:	10	Number of variants in the family:	1

EN 16263-
5:2015

Labelling

Chapter	Requirement	Number of fails
4	Minimum labelling requirements	
4.1	General requirements	0
4.2	Information on manufacturer or importer	0
4.3.1	Type of article	0
4.3.2	Name of article	0
4.3.3	Category and registration number	0
4.3.4	Identification number of the Notified Body	0
4.4	Age limits	0
4.5	Instructions for use	0
4.6	Safe firing distance/s and hazard zone	0
4.7	Net Explosive Content	0
4.8	Means of ignition	0
4.9	Safe/arm device	0
4.10	Direction of effect	0
4.11	'Use by' date	0
4.12	Printing	0
4.13	Marking of very small items	N/A

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Construction

Chapter	Requirement	Number of fails
4.1	Incompatible substances	0
4.2	Safe disposal	0
4.3	Means of ignition	
	Any means of ignition shall be protected to avoid accidental initiation of the article	0
	Ignition devices used for the submitted pyrotechnic articles, shall comply with the relevant requirements of EN 16265 standard	0
4.4	Safety features	
	Each pyrotechnic article shall be equipped with safety features which are appropriate to its mode of initiation	0
4.5	Toxicity	0

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Performance

Chapter	Requirement	Number of fails
A.) As received		
5	Performance requirements	
5.1	Verification of performance	
	Each pyrotechnic article shall function completely and attain the performance characteristics specified by the manufacturer	0
	The articles shall function safely and completely after mechanical or impact test and thermal conditioning	0
	When a use by date is specified by the manufacturer and is greater than two years after the manufacturing of the article, its correct functioning at the 'use by' date shall be demonstrated by the manufacturer	0
5.2	Verification of design	0
5.3	Verification of labelling and instructions for use	0
5.4	Resistance to mechanical impact	
	Articles shall not ignite as a result of mechanical impact test nor release pyrotechnic composition from the article nor exhibit visible damages such as deformations (except those which do not alter the shape of the article or expose the inside of the article), ruptures or cracks	0
5.5	Loose pyrotechnic composition after mechanical conditioning and mechanical impact test	
	When tested in accordance with EN 16263-4:2015, 5.7 and 5.8, P1 articles shall not exhibit any loss of pyrotechnic composition from the article	0
	When tested in accordance with EN 16263-4:2015, 5.7 and 5.8, For P2 articles, the total mass of loose pyrotechnic composition shall not exceed 2 % of the NEC or 0,5 g, whichever is the smaller.	N/A
5.6	Resistance to moisture	
	The article shall function correctly and completely after resistance to moisture test.	N/A
	The article shall function correctly and completely after water immersion test.	N/A
5.7	Resistance to high and low temperatures	
	The article shall function correctly after resistance to high and low temperatures test.	N/A
5.8	Integrity	
	Only intended fragmentation or intended opening of the article as specified by the manufacturer shall take place	0
6.1	Verification of design of semi-finished pyrotechnic articles	N/A
6.2	Thrust of Rocket motors	N/A

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Performance

Chapter	Requirement	Number of fails
B.) After mechanical conditioning		
5	Performance requirements	
5.1	Verification of performance	
	The articles shall function safely and completely after mechanical or impact test	0
5.4	Resistance to mechanical impact	
	Articles shall not ignite as a result of mechanical impact test nor release pyrotechnic composition from the article nor exhibit visible damages such as deformations, ruptures or cracks	0
5.5	Lose pyrotechnic composition after mechanical conditioning	
	When tested in accordance with EN 16263-4:2015, 5.7 and 5.8, P1 articles shall not exhibit any loss of pyrotechnic composition from the article	0
	When tested in accordance with EN 16263-4:2015, 5.7 and 5.8, For P2 articles, the total mass of loose pyrotechnic composition shall not exceed 2 % of the NEC or 0,5 g, whichever is the smaller.	N/A
C.) After thermal conditioning		
5	Performance requirements	0
5.1	Verification of performance	
	The articles shall function safely and completely after thermal conditioning	0
5.7	Correct and complete functioning after resistance to high and low temperatures test	N/A

Correspondance between EN 16263:2015 Standard and Directive 2013/29/EU

Essential Requirements (ESR) of Directive 2013/29/EU	Clause(s)/sub-clause(s) of		
	EN 16263-2 (Part 2)	EN 16263-4 (Part 4)	EN 16263-5 (Part 5)
(1)	5.1, 5.7, 5.8, 6.2, 8, 9	5.4, 5.5, 5.6, 5.10, 5.11	
(2)	1, 4.2, 5.2, 8	5.2, 5.3	4.5
(3), 1st paragraph	5.1, 5.7, 5.8, 6.2, 8, 9	5.4, 5.5, 5.6, 5.10, 5.11	4.5
(3), 2nd paragraph	5.1, 5.4, 5.6, 5.7, 5.8, 8, 9	5.7, 5.8, 5.9, 5.10, 5.11, 5.16	
(3) (a)	1, 4.1, 4.4, 5.2, 6.1, 8, 9	5.2, 5.3	
3 (b)	5.4, 5.5, 5.7, 5.8, 5.9, 8, 9	5.7, 5.8, 5.9, 5.10	
3 (c)	5.4, 5.5, 8, 9	5.7, 5.8, 5.9, 5.10, 5.16	
3 (d)	4.1, 5.7, 5.8, 8	5.9	
3 (e)	5.6, 7, 8	5.9, 5.16	
3 (f)	5.8, 8	5.9, 5.10	
3 (g)	4.3, 4.4, 8, 9	5.7, 5.8, 5.10, 5.12	4.5, 4.9
3 (h)	4.2, 4.5, 5.3, 8, 9	5.14	4.5, 4.6, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13
3 (i)	5.7, 5.8, 7, 8, 9	5.9	
3 (j)	8, 9	5.7, 5.8	4.5
(3), last paragraph	5.4, 5.5, 8	5.2, 5.3	
4 (a)	1		
4 (b)	1		
4 (c)	1		
5 B (1)	1, 4, 5.2, 8, 9	5.4, 5.5, 5.6, 5.10, 5.11	4.5
5 B (2)	4.4, 5.2, 8, 9	5.2, 5.3	4.5, 4.8, 4.9
5 B (3)	5.1, 8, 9	5.4, 5.5, 5.6, 5.10, 5.11	
5 B (4)	5.1, 5.7, 5.8, 6.2, 8, 9	5.7, 5.8, 5.9, 5.10, 5.11, 5.16	4.11

The evaluation method: *Number of fails has to be zero.*

Number of fails

Summarize result:

0

Result of assessment:

These pyrotechnic articles **meet** the ESR of directive 2013/29/EU