



TEST REPORT

№ and date of test report **RN19878 / 15.02.2019** Internal request for testing № **RN19878 / 04.02.2019**
Testing period **04.02.2019–14.02.2019**

Customer: **PUBLIK DOO**

Customer's address: **Vladike Nikolaja 469,14000 Valjevo, Serbia**

№ and date of assignment document: **28.01.2019**

Method of arrival of the test item: **Via courier company TNT - No 619807580**

Date of receipt of test item: **04.02.2019**

Test item: **Reusable plastic gas lighters for multiple use, without a safety mechanism, with a button for flame generation in white colour, with white fuel tank, manufacturer model: DY-027, client number: 20.051 ISCRA, 20.052 FLAME, 20.057 ISCRA SOFT, 20.047 ISCRA PRO, 20.066 ISCRA HD dimensions 81.4/11.5/25.8 mm, manufactory: 43168**

Manufacturer: **[REDACTED]**

Normative references : **ISO 9994:2018, point 5.1, ISO 9994:2018, point 6.11, ISO 9994:2018, point 4.1, ISO 9994:2018, point 5.7, ISO 9994:2018, point 6.12, ISO 9994:2018, point 6.2, ISO 9994:2018, point 6.3, ISO 9994:2018, point 6.4, ISO 9994:2018, point 6.6, ISO 9994:2018, point 6.8, ISO 9994:2018, point 6.9**

Number of test items: **24 items**

Test performed by: **M Chem Ivan Givechev, dipl. eng. Yana Georgieva**

TC GLOBALTEST Manager
Test report issued by

Dipl.eng.Dimitar Tanev
dipl. eng. Yana Georgieva

signature



stamp

Results are listed on pages 2 to 3

ESD 7.8-2

NOTE:

Test results are only for the tested item. The report could be used only in its whole. Test report is valid only with "wet" stamp or signed electronically.

RESULT FROM TESTS – Test report RN19878 / 15.02.2019

Type of characteristic / Parameter	Method	Unit of measurement	Limit (Range)	Result	Uncertainty	Test conditions
Functional requirements. Flame extinction.	ISO 9994:2018, point 6.4	s	2*	After releasing, no after burn of more than 2 s detected - Passed the test.	-	T - 19.7°C; RH - 46%
Functional requirements. Flame generation.	ISO 9994:2018, point 4.1	N	An actuating force equal to, or greater, 15N*	Flame generations force 43.32 N - Passed the test.	-	T - 20.7°C; RH - 50%
Functional requirements. Flame heights.	ISO 9994:2018, point 6.2	mm	120*	Max flame height less than 120 mm - Passed the test.	-	T - 20.8°C; RH - 51%
Functional requirements. Resistance to spitting or sputtering and flaring.	ISO 9994:2018, point 6.3	-	Gas lighters when set at the maximum flame height, shall exhibit no spitting or sputtering*	No spitting, sputtering or flaring detected - Passed the test.	-	T - 20.8°C; RH - 51%
Structural integrity requirements. Burning behaviour.	ISO 9994:2018, point 5.7	s	10s by angle of 45°*	Passed the test	-	T - 19.7°C; RH - 46%
Structural integrity requirements. External finish.	ISO 9994:2018, point 5.1	-	Lighters shall have no external sharp edged that could cause accidental cuts or abrasions to the user when handled or used in the intended manner*	Passed the test	-	T - 20.3°C; RH - 49%
Structural integrity requirements. Resistance to continuous burning.	ISO 9994:2018, point 6.12	min	Withhood a continuous burning for 2 min*	The gas lighters withhood a burning test for 2 min without any damage - Passed the test.	-	T - 19.7°C; RH - 46%
Structural integrity requirements. Resistance to drooping.	ISO 9994:2018, point 6.8	m	Withstand three separate (1.5 +/- 0.1 m) drops*	Passed the test	-	T - 20.8°C; RH - 51%
Structural integrity requirements. Resistance to elevated temperature	ISO 9994:2018, point 6.9	mg/min	Withstanding the temperature of 65 °C for 4 h.*	Passed the test	-	65.0 ± 2 °C
Structural integrity requirements. Resistance to fuel loss.	ISO 9994:2018, point 6.6	mg/min	Gas exceeding < 15 mg/min*	Passed the test	-	T - 20.8°C; RH - 51%
Structural requirements. Resistance to cyclic burning.	ISO 9994:2018, point 6.11	s	Withstand a burning times 20 s repeated 10 times*	The gas lighters withstand a 10 times burning test for 20s without any damage. - Passed the test.	-	T - 20.8°C; RH - 51%

*ISO 9994:2018

Note: All lighters were stabilized at a temperature of (23 +/- 2) degree

