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EKOTEKS LABORATUVAR ve GÖZETİM
HİZMETLERİ A.Ş.
Esenyurt Firuzköy Bulvarı No:29 34325 Avcılar
İstanbul/ TÜRKİYE

TEST REPORT
DENEY RAPORU

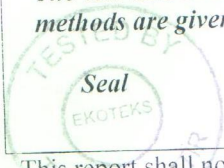


Test No: AB-0583-T-17025
AB-0583-T
19004636- ing-RER
03-19

Customer name: RAMAZAN YURTÇAK MRY ÇAKMAK SANAYİ VE TİC.
Address: 2. Organize Sanayi Bölgesi 201.Cadde No:34 34 Koçören-
Eyyübiye/ŞANLIURFA
Buyer name:
Contact Person: RAMAZAN YURTÇAK
Order No: 1
Article No: MRY/Platinum Pocket Lighter
Name and identity of test item: Fifty pieces of white lighter set. (Claimed to be; MAT)
The date of receipt of test item: 08.02.2019
Re-submitted/re-confirmation date: -
Date of test: 08.02.2019-12.03.2019
Remarks:
Sampling: The results given in this report belong to the received sample by vendor.
End-Use: Lighter
Number of pages of the report: 9

The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.



Date
19.03.2019

Customer Representative
Zahide TAPAN

Head of Testing Laboratory
Sevim A. RAZAK

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Testing reports without signature and seal are not valid.

REQUIRED TESTS	RESULT	COMMENTS
PHYSICAL TEST PROPERTIES		
Lighters-safety Specification	P	
P: Pass F: Fail R: Refer to retailer technologist. Test results were evaluated according to ISO 9994 test standard.		

REMARK: Original samples are kept for 3 months and all technical records are kept for 5 years unless otherwise specified. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95 %. Tests marked (*) in this report are not included in the accreditation schedule.

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Note: The report issued on 12.03.2019 with the report number 19004636-ing was withdrawn and replaced with the report 19004636-ing-RER issued on 19.03.2019 as the vendor required to re-evaluate labelling on on new sample sent on 18.03.2019 date (Report number:19009225)

**EKOTEKS LABORATUVAR ve GÖZETİM
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TEST RESULTS

LIGHTES-SAFETY SPECIFICATION; ISO 9994:2005/Amd 1:2008

For Sampling and Sequencing See Appendix II			
Clause	DESCRIPTION	Results	Comments
Clause 3	FUNCTIONAL REQUIREMENTS		
Clause 3.1	Flame generation	P	
Clause 3.2	Flame heights	P	
Clause 3.3	Flame heights adjustment	P	
Clause 3.4	Resistance to spitting or sputtering and flaring	P	
Clause 3.5	Flame extinction	P	
Clause 3.6	Volumetric displacement	P	See Note 1
Clause 4	STRUCTURAL INTEGRITY REQUIREMENTS		
Clause 4.1	External finish	P	
Clause 4.2	Compatibility with fuel	P	
Clause 4.3	Resistance to fuel loss	P	
Clause 4.4	Resistance to dropping (23±2°C, min 10 hours)	P	
	Resistance to dropping (-10 ±2°C,24 hours + 23±2°C min 10 hours)	P	
Clause 4.5	Resistance to elevated temperature	P	
Clause 4.6	Resistance to internal pressure	P	See Note 2
Clause 4.7	Burning behaviour	P	
Clause 4.8	Resistance to cyclic burning	P	
Clause 4.9	Resistance to continuous burning	P	
Clause 6	INSTRUCTIONS AND WARNINGS		
Clause 6.1	General	P	
Clause 6.2	Location	P	
Clause 6.3	Content	P	
Clause 6.4	Safety symbols	P	
Clause 6.5	Refilling instructions	P	
Clause 7	PRODUCT MARKING		
Clause 7.0	Visual Control	P	
RESULT	Based on tests conducted and information supplied, the samples submitted Comply with this standard		

Note: P = Pass

F = Fail

NA = Not Applicable

NR =Not Requested

APPENDIX I

APPENDIX I

Notes :

1. The standard requires a calculation based on the density of fuel at $(23\pm 2)^{\circ}\text{C}$. According to the standard, in the absence of any information on the fuel type and formulation 0.54 g/cm³ should be used.

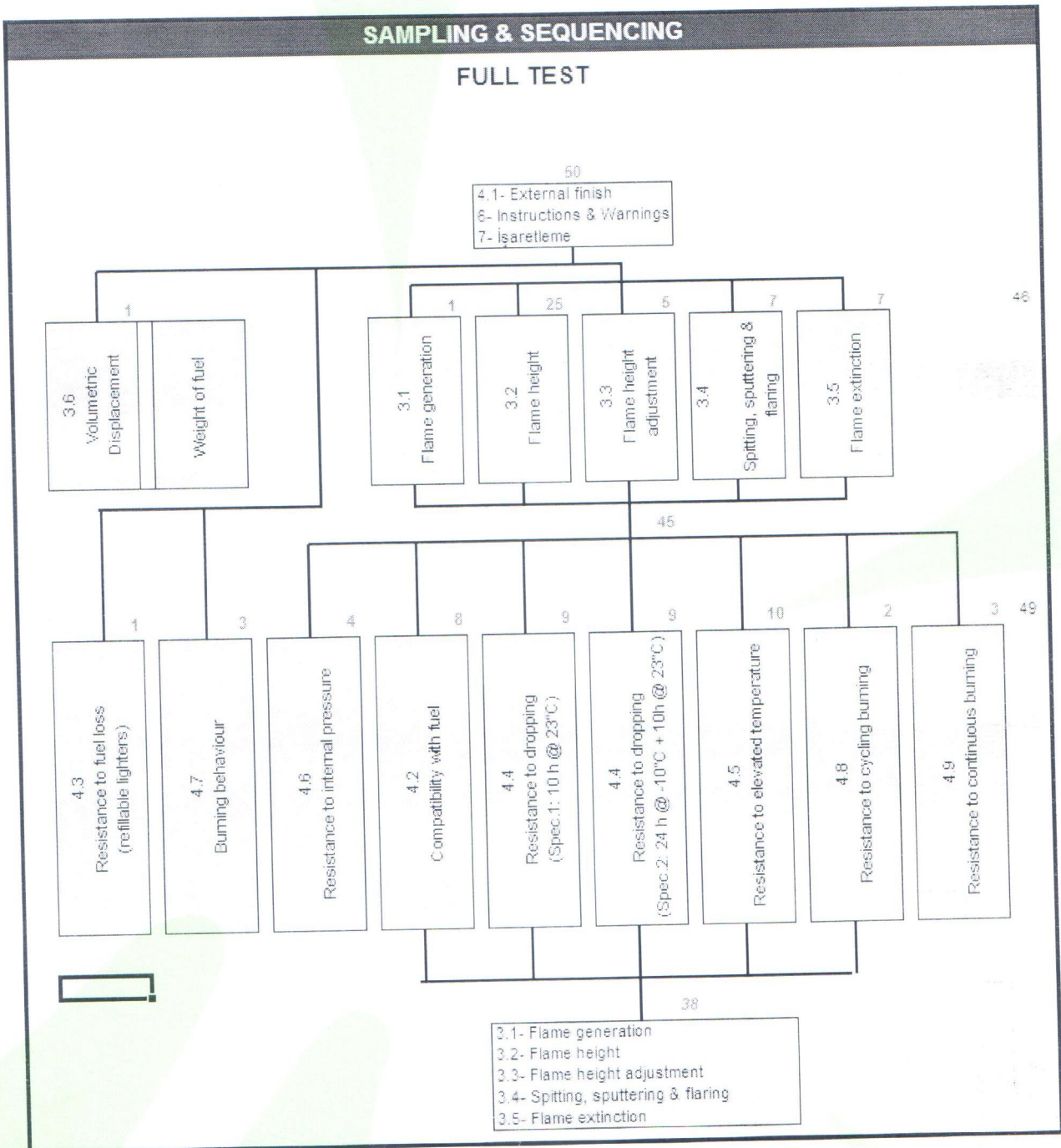
All lighters were weighed upon receipt and the heaviest sample was used for Clause 3.6- Volumetric displacement.

Lighter used in the test was found to have been 0.67 % full and contained 0.75 g of fuel.

Requirement: For gas lighters shipped with fuel, the liquid portion of the fuel shall not exceed 85 % of the volumetric capacity of the fuel reservoir.

2. The standard requires that the sample be subject to twice the vapour pressure occurring at 55°C of the fuel recommended by the manufacturer.
The relative vapour pressure of the gas used in lighters at 55 °C is known to be 9.65 bar.
All 4 samples tested were subject to a minimum total internal pressure of >19,3 bar (2 x 9.65 bar).
For all 4 samples tested >20.0 bar was actually achieved.

APPENDIX II



APPENDIX III

Information Of Lighter	
Manufacturer/ Importer	MRY ÇAKMAK INDUSTRY AND COMMERCE
Brand	MRY
Model	-
Country Of Origin	TURKEY
Type of Lighter	Gas Lighter Post-mixing Burner Lighter Refillable Lighter Adjustable Lighter Self-extinguishing Lighter



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