

REPORT FROM DERMATOLOGICAL TEST

Date of report:	15.11.2021	
Sample number / test number:	18/10/21/D/25	
Information given by the Principal	Sample name:	BETMANTAX HAIR LOSS SHAMPOO
	Identification number given by Principal (series / production date / internal number):	-
	Product composition / INCI:	Aqua, Disodium Laureth Sulfosuccinate, Coco-Glucoside, Glyceryl Oleate, Disodium Cocoamphodiacetate, Cocamidopropyl Betaine, Olive Oil PEG-7 Esters, Glycerine, Propylene Glycol, Glycol Distearate, Cocamide Mea, Laureth-10, Zinc Pyrithion, Acrylates/Vinyl Neodecanoate Crosspolymer, Peg-120 Methyl Glucose Trioleate, Polyquaternium-7, Sodium PCA, Sodium Lactate, Arginine, Aspartic Acid, PCA, Glycine, Alanine, Serine, Valine, Proline, Threonine, Isoleucine, Histidine, Phenylalanine, Magnesium PCA, Zinc PCA, Manganese PCA, Styrene/Acrylates Copolymer, Potassium Sorbate, Buthylene Glycol, PPG-26-Buteht-26, PEG-40 Hydrogenated Castor Oil, Apigenin, Olealonic Acid, Biotinoyl Tripeptide-1, Hydolyzed Corn Protein, Hydrolyzed Wheat Protein, Hydrolyzed Soy Protein, Tocopherol, Panthenol, Parfum, Sodium Chloride, Polyquaternium-10, Polyquaternium-22, Allantoin, Pyrus Malus Stem Extract, Hamamelis Virginiana Leaf Extract, Chamomile Recutita Flower, Cocos Nucifera Fruit Extract, Centella Asiatica Leaf Extract, Aesculus Hippocastanum Seed Extract, Serenoa Serrulata Fruit Extract, Rosmarinus Officinalis Leaf Extract, Argania Spinosa Fruit Extract, Urtica Dioica Leaf Extract, Equisetum Arvense Leaf Extract, Biotin, Caffeine, Cidric Acid, Methylcholoisothiazolinone, Methylisothiazolinone.
	Principal / Responsible person:	THE MOSSI SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TİC. A.Ş. İkitelli Osb. Mah. Marmara Küçük Sanayi Sit. J Blok Sokak No: 3/4 İktelli İstanbul
Beginning of research:	22.10.2021	
Completion of research:	15.11.2021	
Comments on sample state / deviation:	NONE	
Volunteers group:	10 volunteers	
Skin type:	normal	

REPORT FROM DERMATOLOGICAL TEST**1. BASIS FOR RESEARCH IMPLEMENTATION**

- Order form and test samples delivered by Principal
- Confirmation of microbiological purity / microbiological insensitivity

The Principal is responsible for compliance with the declared quality composition of the samples sent for testing.

2. PURPOSE OF RESEARCH

Product evaluation in terms of irritating and sensitizing properties.

3. LEGAL BASE OF RESEARCH

- Regulation of the European Parliament and Council Regulation (EC) No 1223/2009 of November 30, 2009, relating to cosmetic products.
- Cosmetics Europe- The Personal Care Association Guidelines „Product test Guidelines for the Assessment of Human Skin Compatibility 1997”.
- WMA Declaration of Helsinki – Ethical Principles for Medical Research Involving Human Subjects (1964 - 2013).
- The Act on Cosmetic Products, October 4, 2018, Journal of Laws No. 2018 item 2227.
- Test procedure by Skin Lab International Sp. z o.o.: PO-08 Research Implementation.
- Instruction by Skin Lab International Sp. z o.o.: I02/PO-08 Dermatological test – patch test.
- Instruction by Skin Lab International Sp. z o.o.: I04/PO-08 Scheme for assessing skin reactions - product classification.

4. VOLUNTEERS SELECTION

Volunteers participating in the research were selected on the basis of:

- Current European and Polish law
- Cosmetics Europe- The Personal Care Association
- Declaration of Helsinki (1964-2013)
- Test procedure by Skin Lab International Sp. z o.o.: PO-08 Research Implementation
- Instruction by Skin Lab International Sp. z o.o.: I01/PO-08 Volunteers qualification for the study

All volunteers selected for the study met the requirements for inclusion in the study and signed consent to voluntary participation in the study, and were informed about the purpose of the study, how it was conducted and about possible side effects. During the entire study, the volunteers were under the constant care of a dermatologist.

5. METHODS OF RESEARCH

The test was performed in accordance with the research procedure of Skin Lab International Sp. z o.o. (PO-08 Research implementation) under the supervision of a dermatologist. The research model is the skin test according to Jadassohn-Bloch modified by Rudzki. The test consisted in a single application of the product to a selected area of the skin, and then observing the condition of the skin at intervals. The recording of the results and the classification of the product is made on the basis of the point classification (0-4) of the skin reaction (I04 / PO-08). Qualification, sample application and readings take place at Skin Lab International Sp. z o.o. in Cracow.

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6. RESULTS

6.1. VOLUNTEERS IDENTIFICATION AND READINGS FROM THE TEST - POINT CLASSIFICATION

VOLUNTER IDENTIFICATION NUMBER	SEX F - female M - male	AGE	RESULT			
			AFTER 48 h		AFTER 72 h	
			Erythema	Edema/ Swelling	Erythema	Edema/ Swelling
1	F	29	0	0	0	0
2	F	55	0	0	0	0
3	F	40	0	0	0	0
4	F	27	0	0	0	0
5	F	64	0	0	0	0
6	F	22	0	0	0	0
7	F	23	0	0	0	0
8	F	23	0	0	0	0
9	F	20	0	0	0	0
10	F	25	0	0	0	0

6.2. IRRITATION INDEX (x_{sr})

The average irritation index is calculated from the sum of the scores for erythema and edema. Based on the irritation index, the product is classified according to the scale.

AVERAGE IRRITATION INDEX (x_{sr})	PRODUCT CLASSIFICATION
$x_{sr} < 0,5$	non-irritating
$0,5 < x_{sr} < 2,0$	slightly irritating
$2,0 < x_{sr} < 5,0$	moderately irritating
$5,0 \leq x_{sr}$	strongly irritating

Average irritation index for tested product: $x_{sr} = 0$, where $x_{sr} = \frac{\text{sum of the scores}}{\text{volunteers number}}$

7. CONCLUSION

A dermatological study conducted on volunteers who were not allergic to any of the ingredients of the tested product confirms that the tested product is well tolerated by the skin, as it did not show any irritating or allergenic properties. The product can be classified as **NON-IRRITATING**.

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Edition.: 01/ 12.08.2020

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8. RESULTS AUTHORIZATION

Report authorised by:	Ewelina Szczepanik Research Assistant	<i>Signed with qualified electronical signature</i>
Report approved by:	Doctor of medicine DERMATOLOGIST AND VENEROLOGIST KR 5562935	<i>Signed with qualified electronical signature</i>

----- END OF THE REPORT -----

ACCREDITED BY TÜRKAK TURKISH ACCREDITATION AGENCY
ANALYSIS REPORT

AB-0009-T

2073594-21

10-21

Report No / Accept No Samples : 2073594-21
Contract / Offer No : 21609-20 REV.3
The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TIC. A.Ş.

Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL

Project Name : -

Sample's ;

The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO

Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 g
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
Date of Manufacture : -
Expiration Date : -
Date Received : 21.10.2021
Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

Analysis	Results	Limits	Compl. Legislation	**Compl. Status	Meas. Limits	Recovery	MU(%)	Analysis Method
1- * Lead (Pb) mg/kg	Not detected	Max. 20	T.İ.T.C.K. Guide to Heavy Metal Impurities in Cosmetic Products	C	0.5	-	-	İşletme İçi Metot KM153 Rev.1 (NMKL 161den modifiye edilmiştir.)
2- * Cadmium (Cd) mg/kg	Not detected	Max. 5	T.İ.T.C.K. Guide to Heavy Metal Impurities in Cosmetic Products	C	0.5	-	-	İşletme İçi Metot KM153 Rev.1 (NMKL 161den modifiye edilmiştir.)
3- * Arsenic (As) mg/kg	0.411	Max. 5	T.İ.T.C.K. Guide to Heavy Metal Impurities in Cosmetic Products	C	0.2	-	-	İşletme İçi Metot KM153 Rev.1 (NMKL 161den modifiye edilmiştir.)

E-Signed
Gül KELLEÇİ ÇAKMAK
Chemical Department Chief

E-Signed
Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

Confirmable
E-signed
Çağlayan ÇATAL
Lab.Technical Manager

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İKİTELLİ İSTANBUL

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4- * Mercury (Hg) mg/kg	Not detected	Max. 1	T.İ.T.C.K. Guide to Heavy Metal Impurities in Cosmetic Products	C	0.2	-	-	İşletme İçi Metot KM153 Rev.1 (NMKL 170den modifiye edilmiştir.)
5- * Antimony (Sb) mg/kg	Not detected	Max.10	T.İ.T.C.K. Guide to Heavy Metal Impurities in Cosmetic Products	C	0.5	-	-	İşletme İçi Metot KM153 Rev.1 (NMKL 161den modifiye edilmiştir.)

* Accredited by TÜRKAK.

The results of the analysis are given above.

**Compliance Status : C: Conformed, NC: Non Conformed, NE: No evaluation for not having limit value.

Judgment / Comment:

1-Any part of this analysis report in all or separately.

E-Signed
Gül KELLEÇİ ÇAKMAK
Chemical Department Chief

E-Signed
Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

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Lab.Technical Manager



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Expiration Date : -
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Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

2- The results of the analysis, judgment/comments are valid for the condition of above sample at the time of delivery.

3-Where necessary,uncertainty of measurement and recovery rate are given together with the analysis result. Measurement uncertainty is not considered microbiological analysis.Measurement uncertainty is not considered for chemical and physical analysis.If the measurement uncertainty is used in the calculation; it is indicated in the judgment/comments.

4-This report cannot be copied or reproduced in whole or in part without the written permission of the laboratory.

5-Uncertainty of measurement is calculated using K=2 in the %95 percent confidence interval.

6-Official analysis report ar invalid without a petition and signature.

7-Special request reports are invalid unsigned.

8. Additional information given by the customer is indicated in the judgment/comments.

9.The results which are expressed judgment/comment about analysis without asteriks "*" are not related to the scope of accreditation.

10.The decision rule is applied in accordance with the directive T.04.02 defined in our TS EN ISO 17025 standard based quality system. If applied, judgment/comments are indicated.

11.Where necessary, statement of renounce is notified in the judgment/comments section with the tracking number.

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END OF REPORT

E-Signed
Gül KELLEÇİ ÇAKMAK
Chemical Department Chief

E-Signed
Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

Confirmable
E-signed
Çağlayan ÇATAL
Lab.Technical Manager

This document is signed with an electronic signature.

Yeni Sahra Mh. Fatih Cd. No: 18 Ataşehir 34746 İstanbul e-mail: saniter@saniter.com.tr blog.saniter.com.tr

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ANALYSIS REPORT

Report No / Accept No Samples : 2073593-21
Contract / Offer No : 21609-20 REV.3
The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TİC. A.Ş.
Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL
Project Name : -
Sample's ;
The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO
Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 ml
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
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Analysis	Results	Limits	Compl. Legislation	**Compl. Status	Meas. Limits	Recovery	MU(%)	Analysis Method
1- Synthetic paint free analysis -	Not detected	-	-	NE	-	-	-	In house method

The results of the analysis are given above.

**Compliance Status : C: Conformed, NC: Non Conformed, NE: No evaluation for not having limit value.

Judgment / Comment:

- 1-Any part of this analysis report in all or separately.
- 2- The results of the analysis, judgment/comments are valid for the condition of above sample at the time of delivery.
- 3-Where necessary,uncertainty of measurement and recovery rate are given together with the analysis result. Measurement uncertainty is not considered for microbiological analysis.Measurement uncertainty is not considered for chemical and physical analysis.If the measurement uncertainty is used in the calculation; it is indicated in the judgment/comments.
- 4-This report cannot be copied or reproduced in whole or in part without the written permission of the laboratory.
- 5-Uncertainty of measurement is calculated using K=2 in the %95 percent confidence interval.
- 6-Official analysis report ar invalid without a petition and signature.
- 7-Special request reports are invalid unsigned.
8. Additional information given by the customer is indicated in the judgment/comments.
- 9.The results which are expressed judgment/comment about analysis without asteriks "*" are not related to the scope of accreditation.
- 10.The decision rule is applied in accordance with the directive T.04.02 defined in our TS EN ISO 17025 standard based quality system. If applied, judgment/comments are indicated.
- 11.Where necessary, statement of renounce is notified in the judgment/comments section with the tracking number.

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Gül KELLEÇİ ÇAKMAK
Chemical Department Chief

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Sample Acceptance and Reporting
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Lab.Technical Manager

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İKİTELLİ İSTANBUL
Project Name : -
Sample's ;
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Type : BETMANTAX HAIR LOSS SHAMPOO
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END OF REPORT

E-Signed
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Chemical Department Chief

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Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

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Lab.Technical Manager

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Analysis	Results	Limits	Compl. Legislation	**Compl. Status	Meas. Limits	Recovery	MU(%)	Analysis Method
1- * Methylparaben %	Not detected	-	-	NE	0.0015	-	-	in-house method KM150 Rev.1 (Modified from HPLC Determination of some frequently used Parabens in Sunscreens; Development of a Validated HPLC method for the analysis two preservative agents 'MP-PP' in tropical creams containing steroids in the patien's terms of use)

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Chemical Department Chief

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2- * Ethylparaben %	Not detected	-	-	NE	0.0015	-	-	In-house method KM150 Rev.1 (Modified from HPLC Determination of some frequently used Parabens in Sunscreens; Development of a Validated HPLC method for the analysis two preservative agents 'MP-PP' in tropical creams containing steroids in the patient's terms of use)
3- Hexamidine di paraben %	Not detected	-	-	NE	-	-	-	In house method

E-Signed
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Chemical Department Chief

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Expiration Date : -
Date Received : 21.10.2021
Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

Analysis	Results	Limits	Compl. Legislation	**Compl. Status	Meas. Limits	Recovery	MU(%)	Analysis Method
4- * Butylparaben %	Not detected	-	-	NE	0.0015	-	-	In-house method KM150 Rev.1 (Modified from HPLC Determination of some frequently used Parabens in Sunscreens; Development of a Validated HPLC method for the analysis two preservative agents 'MP-PP' in tropical creams containing steroids in the patien's terms of use)
5- Hexamidine paraben %	Not detected	-	-	NE	-	-	-	In house method

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Gül KELLEÇİ ÇAKMAK
Chemical Department Chief

E-Signed
Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

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Lab.Technical Manager

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Yeni Sahra Mh. Fatih Cd. No: 18 Ataşehir 34746 İstanbul e-mail: saniter@saniter.com.tr blog.saniter.com.tr

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TS EN ISO/IEC 17025
AB-0009-T

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ANALYSIS REPORT

AB-0009-T

2073591-21

10-21

Report No / Accept No Samples : 2073591-21
Contract / Offer No : 21609-20
The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TIC. A.Ş.

Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL

Project Name : -

Sample's ;

The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO

Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 ml
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
Date of Manufacture : -
Expiration Date : -
Date Received : 21.10.2021
Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

Analysis	Results	Limits	Compl. Legislation	**Compl. Status	Meas. Limits	Recovery	MU(%)	Analysis Method
6- * Propyleneparaben %	Not detected	-	-	NE	0.0015	-	-	in-house method KM150 Rev.1 (Modified from HPLC Determination of some frequently used Parabens in Sunscreens; Development of a Validated HPLC method for the analysis two preservative agents 'MP-PP' in tropical creams containing steroids in the patien's terms of use)

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The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TİC. A.Ş.

AB-0009-T

2073591-21

10-21

Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL

Project Name : -

Sample's ;

The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO

Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 ml
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
Date of Manufacture : -
Expiration Date : -
Date Received : 21.10.2021
Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

* Accredited by TÜRKAK.

The results of the analysis are given above.

**Compliance Status : C: Conformed, NC: Non Conformed, NE: No evaluation for not having limit value.

Judgment / Comment:

- 1-Any part of this analysis report in all or separately.
- 2- The results of the analysis, judgment/comments are valid for the condition of above sample at the time of delivery.
- 3-Where necessary,uncertainty of measurement and recovery rate are given together with the analysis result. Measurement uncertainty is not considered for microbiological analysis.Measurement uncertainty is not considered for chemical and physical analysis.If the measurement uncertainty is used in the calculation; it is indicated in the judgment/comments.
- 4-This report cannot be copied or reproduced in whole or in part without the written permission of the laboratory.
- 5-Uncertainty of measurement is calculated using K=2 in the %95 percent confidence interval.
- 6-Official analysis report is invalid without a petition and signature.
- 7-Special request reports are invalid unsigned.
8. Additional information given by the customer is indicated in the judgment/comments.
- 9.The results which are expressed judgment/comment about analysis without asteriks "*" are not related to the scope of accreditation.
- 10.The decision rule is applied in accordance with the directive T.04.02 defined in our TS EN ISO 17025 standard based quality system. If applied, judgment/comments are indicated.
- 11.Where necessary, statement of renounce is notified in the judgment/comments section with the tracking number.

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END OF REPORT

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Chemical Department Chief

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Department Chief

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Lab.Technical Manager

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ANALYSIS REPORT

Report No / Accept No Samples : 2073590-21
Contract / Offer No : 21609-20
The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TIC. A.Ş.

AB-0009-T

2073590-21

10-21

Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL

Project Name : -

Sample's ;

The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO

Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 ml
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
Date of Manufacture : -
Expiration Date : -
Date Received : 21.10.2021
Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

Analysis	Results	Limits	Compl. Legislation	**Compl. Status	Meas. Limits	Recovery	MU(%)	Analysis Method
1- * Sodium Lauryl Ether Sulfate Determination (SLES) %	Not detected	-	-	NE	0.01	-	-	İşletme İçi Metot KM149 Rev.1 (Indian Standart IS: 114878, Specification for SLES for cosmetic industry den modifiye edilmiştir.)

* Accredited by TÜRKAK.

The results of the analysis are given above.

**Compliance Status : C: Conformed, NC: Non Conformed, NE: No evaluation for not having limit value.

Judgment / Comment:

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Chemical Department Chief

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Sample Acceptance and Reporting
Department Chief

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Lab.Technical Manager

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ANALYSIS REPORT

Report No / Accept No Samples : 2073590-21
Contract / Offer No : 21609-20
The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TİC. A.Ş.

AB-0009-T

2073590-21

10-21

Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL

Project Name : -

Sample's ;

The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO

Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 ml
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
Date of Manufacture : -
Expiration Date : -
Date Received : 21.10.2021
Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

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ANALYSIS REPORT

AB-0009-T

2073589-21

10-21

Report No / Accept No Samples : 2073589-21
Contract / Offer No : 21609-20
The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TİC. A.Ş.

Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL

Project Name : -

Sample's ;

The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO

Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 ml
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
Date of Manufacture : -
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Date Received : 21.10.2021
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Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

Analysis	Results	Limits	Compl. Legislation	**Compl. Status	Meas. Limits	Recovery	MU(%)	Analysis Method
1- * Sodium Lauryl Sulfate Determination (SLS) %	Not detected	-	-	NE	0.01	-	-	İşletme İçi Metot KM148 Rev.1 (Spectrofotometric Determination of SLS as a prime Anionic Surfactant and Contaminant In Central East Chhattisgarh den modifiye edilmiştir.)

* Accredited by TÜRKAK.

The results of the analysis are given above.

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Sample Acceptance and Reporting
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Yeni Sahra Mh. Fatih Cd. No: 18 Ataşehir 34746 İstanbul e-mail: saniter@saniter.com.tr blog.saniter.com.tr

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TS EN ISO/IEC 17025
AB-0009-T

ACCREDITED BY TÜRKAK TURKISH ACCREDITATION AGENCY
ANALYSIS REPORT

Report No / Accept No Samples : 2073589-21
Contract / Offer No : 21609-20
The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TİC. A.Ş.

AB-0009-T

2073589-21

10-21

Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL

Project Name : -

Sample's ;

The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO

Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 ml
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
Date of Manufacture : -
Expiration Date : -
Date Received : 21.10.2021
Date of analysis : 21.10.2021
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The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.
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Chemical Department Chief

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Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

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Çağlayan ÇATAL
Lab.Technical Manager

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REPORT FROM DERMATOLOGICAL TEST

Date of report:	15.11.2021	
Sample number / test number:	18/10/21/D/25	
Information given by the Principal	Sample name:	BETMANTAX HAIR LOSS SHAMPOO
	Identification number given by Principal (series / production date / internal number):	-
	Product composition / INCI:	Aqua, Disodium Laureth Sulfosuccinate, Coco-Glucoside, Glyceryl Oleate, Disodium Cocoamphodiacetate, Cocamidopropyl Betaine, Olive Oil PEG-7 Esters, Glycerine, Propylene Glycol, Glycol Distearate, Cocamide Mea, Laureth-10, Zinc Pyrithion, Acrylates/Vinyl Neodecanoate Crosspolymer, Peg-120 Methyl Glucose Trioleate, Polyquaternium-7, Sodium PCA, Sodium Lactate, Arginine, Aspartic Acid, PCA, Glycine, Alanine, Serine, Valine, Proline, Threonine, Isoleucine, Histidine, Phenylalanine, Magnesium PCA, Zinc PCA, Manganese PCA, Styrene/Acrylates Copolymer, Potassium Sorbate, Buthylene Glycol, PPG-26-Buteht-26, PEG-40 Hydrogenated Castor Oil, Apigenin, Olealonic Acid, Biotinoyl Tripeptide-1, Hydolyzed Corn Protein, Hydrolyzed Wheat Protein, Hydrolyzed Soy Protein, Tocopherol, Panthenol, Parfum, Sodium Chloride, Polyquaternium-10, Polyquaternium-22, Allantoin, Pyrus Malus Stem Extract, Hamamelis Virginiana Leaf Extract, Chamomile Recutita Flower, Cocos Nucifera Fruit Extract, Centella Asiatica Leaf Extract, Aesculus Hippocastanum Seed Extract, Serenoa Serrulata Fruit Extract, Rosmarinus Officinalis Leaf Extract, Argania Spinosa Fruit Extract, Urtica Dioica Leaf Extract, Equisetum Arvense Leaf Extract, Biotin, Caffeine, Cidric Acid, Methylcholoisothiazolinone, Methylisothiazolinone.
	Principal / Responsible person:	THE MOSSI SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TİC. A.Ş. İkitelli Osb. Mah. Marmara Küçük Sanayi Sit. J Blok Sokak No: 3/4 İktelli İstanbul
Beginning of research:	22.10.2021	
Completion of research:	15.11.2021	
Comments on sample state / deviation:	NONE	
Volunteers group:	10 volunteers	
Skin type:	normal	

REPORT FROM DERMATOLOGICAL TEST**1. BASIS FOR RESEARCH IMPLEMENTATION**

- Order form and test samples delivered by Principal
- Confirmation of microbiological purity / microbiological insensitivity

The Principal is responsible for compliance with the declared quality composition of the samples sent for testing.

2. PURPOSE OF RESEARCH

Product evaluation in terms of irritating and sensitizing properties.

3. LEGAL BASE OF RESEARCH

- Regulation of the European Parliament and Council Regulation (EC) No 1223/2009 of November 30, 2009, relating to cosmetic products.
- Cosmetics Europe- The Personal Care Association Guidelines „Product test Guidelines for the Assessment of Human Skin Compatibility 1997”.
- WMA Declaration of Helsinki – Ethical Principles for Medical Research Involving Human Subjects (1964 - 2013).
- The Act on Cosmetic Products, October 4, 2018, Journal of Laws No. 2018 item 2227.
- Test procedure by Skin Lab International Sp. z o.o.: PO-08 Research Implementation.
- Instruction by Skin Lab International Sp. z o.o.: I02/PO-08 Dermatological test – patch test.
- Instruction by Skin Lab International Sp. z o.o.: I04/PO-08 Scheme for assessing skin reactions - product classification.

4. VOLUNTEERS SELECTION

Volunteers participating in the research were selected on the basis of:

- Current European and Polish law
- Cosmetics Europe- The Personal Care Association
- Declaration of Helsinki (1964-2013)
- Test procedure by Skin Lab International Sp. z o.o.: PO-08 Research Implementation
- Instruction by Skin Lab International Sp. z o.o.: I01/PO-08 Volunteers qualification for the study

All volunteers selected for the study met the requirements for inclusion in the study and signed consent to voluntary participation in the study, and were informed about the purpose of the study, how it was conducted and about possible side effects. During the entire study, the volunteers were under the constant care of a dermatologist.

5. METHODS OF RESEARCH

The test was performed in accordance with the research procedure of Skin Lab International Sp. z o.o. (PO-08 Research implementation) under the supervision of a dermatologist. The research model is the skin test according to Jadassohn-Bloch modified by Rudzki. The test consisted in a single application of the product to a selected area of the skin, and then observing the condition of the skin at intervals. The recording of the results and the classification of the product is made on the basis of the point classification (0-4) of the skin reaction (I04 / PO-08). Qualification, sample application and readings take place at Skin Lab International Sp. z o.o. in Cracow.

REPORT FROM DERMATOLOGICAL TEST

6. RESULTS

6.1. VOLUNTEERS IDENTIFICATION AND READINGS FROM THE TEST - POINT CLASSIFICATION

VOLUNTER IDENTIFICATION NUMBER	SEX F - female M - male	AGE	RESULT			
			AFTER 48 h		AFTER 72 h	
			Erythema	Edema/ Swelling	Erythema	Edema/ Swelling
1	F	29	0	0	0	0
2	F	55	0	0	0	0
3	F	40	0	0	0	0
4	F	27	0	0	0	0
5	F	64	0	0	0	0
6	F	22	0	0	0	0
7	F	23	0	0	0	0
8	F	23	0	0	0	0
9	F	20	0	0	0	0
10	F	25	0	0	0	0

6.2. IRRITATION INDEX (x_{sr})

The average irritation index is calculated from the sum of the scores for erythema and edema. Based on the irritation index, the product is classified according to the scale.

AVERAGE IRRITATION INDEX (x_{sr})	PRODUCT CLASSIFICATION
$x_{sr} < 0,5$	non-irritating
$0,5 < x_{sr} < 2,0$	slightly irritating
$2,0 < x_{sr} < 5,0$	moderately irritating
$5,0 \leq x_{sr}$	strongly irritating

Average irritation index for tested product: $x_{sr} = 0$, where $x_{sr} = \frac{\text{sum of the scores}}{\text{volunteers number}}$

7. CONCLUSION

A dermatological study conducted on volunteers who were not allergic to any of the ingredients of the tested product confirms that the tested product is well tolerated by the skin, as it did not show any irritating or allergenic properties. The product can be classified as **NON-IRRITATING**.

REPORT FROM DERMATOLOGICAL TEST

Edition.: 01/ 12.08.2020

Page 4 z 4

8. RESULTS AUTHORIZATION

Report authorised by:	Ewelina Szczepanik Research Assistant	<i>Signed with qualified electronical signature</i>
Report approved by:	Doctor of medicine DERMATOLOGIST AND VENEROLOGIST KR 5562935	<i>Signed with qualified electronical signature</i>

----- END OF THE REPORT -----

Numune Bilgileri

Rapor Türü : Özel İstek

Numune Gönderen FirmaAdı : THE MOSSI SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TIC. A.Ş.
Adresi : İkitelli Osb. Mah. Marmara Küçük Sanayi Sit. J Blok Sokak No: 3/4 İktelli İstanbul
Telefon/Faks : -
Yetkili Adı : -
Üretici Firma : -
Marka : -**Numune**Adı : BETMANTAX HAIR LOSS SHAMPOO
Miktarı : 234 GR
Sıcaklığı : 21°C
Ambalajı : Plastik Şişe
Lot No :
Geliş Tarihi : 18.10.2021
Analiz Başlama Tarihi : 18.10.2021
Analiz Bitiş Tarihi : 25.10.2021**NUMUNE GÖRSELİ**

Numune Adı : BETMANTAX HAIR LOSS SHAMPOO

Adet : 1

**SONUÇ**

Analiz Adı	Birim	Referans Değer	Sonuç	Metot
Escherichia coli	cfu/g	0	Saptanmadı	TS EN ISO 21150
Pseudomonas aureginosa	cfu/g	0	Saptanmadı	TS EN ISO 22717
Staphylococcus aureus	cfu/g	0	Saptanmadı	TS EN ISO 22718
Candida albicans	cfu/g	0	Saptanmadı	TS EN ISO 18416
Küf - Maya	cfu/g	10 ³	≤10	TS EN ISO 16212
Toplam Aerobik - Mezofilik Bakteri	cfu/g	10 ³	≤10	TS EN ISO 21149

Mikrobiyolojik Analiz Sorumlusu

Moleküler Biyolog
Yağmur BULAT**TASDİK OLUNUR**

Laboratuvar Müdürü

Eczacı
Sinem Kibar ŞAHİNDERE**PİM GRUP DANIŞMANLIK A.Ş.**
Göktürk Merkez Mah. Göktürk Cad.
Neo Yaşam Sit. No: 9/20 Eyüpsultan - İST
Gaziosmanpaşa Y.D. 7300723914
Mersis No: 0730 0723 9140 0001

TEST RAPORUNUN SONU

Bu rapor, raporda adı geçen müşterinin özel kullanımı için ve müşteri tarafından sağlanan talimat ve bilgiler ve / veya malzemeler esas alınarak hazırlanmıştır. Deney sonuçları, ölçüm sırasındaki proses koşullarıyla ilgilidir. Pim Lab önceden açık yazılı onay vermedikçe, bu raporun hiçbir bölümü çoğaltılamaz, dağıtılamaz veya herhangi bir üçüncü şahsa iletilemez. İmzasız ve mühürsüz raporlar geçersizdir. Numune müşteri tarafından sağlanmıştır ve sonuçlar sadece analiz edilen numunenin müşteri tarafından gönderildiği hali için geçerlidir. Bireysel bir sözleşmede aksi belirtilmedikçe, numune saklama süresi 30 gündür. Mikrobiyolojik analizler için gönderilen numuneler mikrobiyolojik kontaminasyon açısından açıldıktan sonra saklanmamaktadır. Aksi talep edilmedikçe bu laboratuvar paylaşılan risk karar kuralını uygular.



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HİZMETLERİ TURİZM TİCARET ANONİM ŞİRKETİ



Test
TS EN ISO/IEC 17025
AB-0009-T

ACCREDITED BY TÜRKAK TURKISH ACCREDITATION AGENCY
ANALYSIS REPORT

AB-0009-T

2073592-21

10-21

Report No / Accept No Samples : 2073592-21
Contract / Offer No : 21609-20
The Purpose of the Analysis : SPECIAL REQUEST
Customer Name : THE MOSSİ SAĞLIK VE KOZMETİK ÜRÜNLERİ SAN. TİC. A.Ş.

Address : İKİTELLİ OSB MAH. MARMARA KÜÇÜK SANAYİ SİT. J BLOK SOK. NO:3/4
İKİTELLİ İSTANBUL

Project Name : -

Sample's ;

The location of sampling : -
Type : BETMANTAX HAIR LOSS SHAMPOO

Serial-Batch/ Number : -
Sample Code Number : -
Packing Shape/Type : ORIGINAL PACKING
Amount of Sample : 300 ml
Producing : -
Temperature of sample : 21°C
Ambient/delivery temperature : 22°C
Date of Manufacture : -
Expiration Date : -
Date Received : 21.10.2021
Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

Analysis	Results	Limits	Compl. Legislation	**Compl. Status	Meas. Limits	Recovery	MU(%)	Analysis Method
1- * Ethanol Determination %	Not detected	-	-	NE	0.8	-	-	İşletme İçi Metot KM151 Rev.0 (AOAC 984.14 den modifiye edilmiştir.)

* Accredited by TÜRKAK.

The results of the analysis are given above.

**Compliance Status : C: Conformed, NC: Non Conformed, NE: No evaluation for not having limit value.

Judgment / Comment:

- 1-Any part of this analysis report in all or separately.
- 2- The results of the analysis, judgment/comments are valid for the condition of above sample at the time of delivery.
- 3-Where necessary, uncertainty of measurement and recovery rate are given together with the analysis result. Measurement uncertainty is not considered for microbiological analysis. Measurement uncertainty is not considered for chemical and physical analysis. If the measurement uncertainty is used in the calculation; it is indicated in the judgment/comments.
- 4-This report cannot be copied or reproduced in whole or in part without the written permission of the laboratory.
- 5-Uncertainty of measurement is calculated using K=2 in the %95 percent confidence interval.
- 6-Official analysis report is invalid without a petition and signature.
- 7-Special request reports are invalid unsigned.
8. Additional information given by the customer is indicated in the judgment/comments.

E-Signed
Gül KELLEÇİ ÇAKMAK
Chemical Department Chief

E-Signed
Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

Confirmable
E-signed
Çağlayan ÇATAL
Lab. Technical Manager

This document is signed with an electronic signature.

Yeni Sahra Mh. Fatih Cd. No: 18 Ataşehir 34746 İstanbul e-mail: saniter@saniter.com.tr blog.saniter.com.tr

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ANALYSIS REPORT

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Date of analysis : 21.10.2021
Date of report : 25.10.2021
Date of Sampling : -

The results of the analysis of "BETMANTAX HAIR LOSS SHAMPOO" sample that you have sent on October 21 2021 are given below.

9.The results which are expressed judgment/comment about analysis without asteriks "*" are not related to the scope of accreditation.

10.The decision rule is applied in accordance with the directive T.04.02 defined in our TS EN ISO 17025 standard based quality system. If applied, judgment/comments are indicated.

11.Where necessary, statement of renounce is notified in the judgment/comments section with the tracking number.

This report created on www.saniter.com.tr

END OF REPORT

E-Signed
Gül KELLEÇİ ÇAKMAK
Chemical Department Chief

E-Signed
Yasemin AKBIYIKOĞLU
Sample Acceptance and Reporting
Department Chief

Confirmable
E-signed
Çağlayan ÇATAL
Lab.Technical Manager

This document is signed with an electronic signature.