

Client:	Sample (according to declaration of the Client)
<b>REVITA LAB BG 37 B GEN. PARENTOV STR 1142 SOFIA</b>	<b>BEME PURIFYING CLEANSING GEL BEME REBALANCING AND MOISTURIZING CREAM BEME CORRECT AND COVER Batch/lot: 002062019; 002062019; 001062019 Production date: 20-06-2019 Expiry date: 02-01-2022</b>
Report date:	21.02.2020

## **REPORT OF INSTRUMENTAL TEST AND COMEDOGENIC AND ACNEGENIC POTENTIAL**

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The results relate to the analysed samples only.

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**1. THE BASIS TO CONDUCT THE STUDY**

The Client is responsible for conformity with the declared quality composition of the product, as well as microbiological purity test and negative result of dermatological test of the delivered samples.

**SCOPE OF TESTS COMPLIANT WITH:**

- Regulation of the European Parliament and of the Council (EC) No. 1223/2009 of 30 November 2009 on cosmetic products.
- Cosmetics Europe – The Personal Care Association (previously COLIPA) Guidelines "Product Test Guidelines for the Assessment of Human Skin Compatibility 1997."
- Cosmetics Europe – The Personal Care Association (previously COLIPA) Guidelines for the Evaluation of the Efficacy of Cosmetic Products 2008.
- Technical Instruction exercised at the J.S. Hamilton Poland IT-01/PK.
- Technical Instruction exercised at the J.S. Hamilton Poland IT-03/PK.
- Technical Instruction exercised at the J.S. Hamilton Poland IT-14/PK.
- Technical Instruction exercised at the J.S. Hamilton Poland IT-16/PK.
- Technical Instruction exercised at the J.S. Hamilton Poland IT-19/PK.
- Technical Instruction exercised at the J.S. Hamilton Poland IT-37/PK.

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**2. INVESTIGATIONAL PRODUCT**

<b>Parameter</b>	<b>Description</b>
Product reference	BEME PURIFYING CLEANSING GEL BEME REBALANCING AND MOISTURIZING CREAM BEME CORRECT AND COVER Batch/lot: 002062019; 002062019; 001062019 Production date: 20-06-2019 Expiry date: 02-01-2022
Intended use	The product is intended for skin care
Received on	13.12.2019
Direction of use	<ul style="list-style-type: none"><li>✓ beMe Rebalancing and Moisturizing Cream - Apply on clean, dry face with gentle massaging motions after washing with BeMe Wash Gel.</li><li>✓ beMe Correct and Cover - Cover the affected area with gentle tapping motions until you form a thin layer, and then spread it around. To be used after skin cleaning one to three times a day, whenever necessary.</li><li>✓ beMe Purifying Cleansing Gel - Use in morning and evenings. Apply a small amount of gel on the wet face and spread around gently. Rinse thoroughly with lukewarm water.</li></ul>

Contraindications for use of the product are: acute inflammation of the place of application, requiring pharmacological treatment and allergy recognized or hypersensitivity to any of its ingredients.

The Client is responsible for conformity of declared composition of the product with Regulation 1223/2009.

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### **3. STUDY DESCRIPTION**

#### **3.1 Aim of the study**

The aim of the study was to confirm/exclude comedogenic and acneogenic potential and efficiency of the cosmetic products.

#### **3.2 Study duration**

21 days (+/- 2 days)

#### **3.3 Testing methodology**

##### **3.3.1 Instrumental test of sebum level by using Sebumeter® SM 815**

The aim of the test was to define the direct influence of the tested products on reduction the secretion of sebum. The test has been conducted using special measuring device manufactured by Courage + Khazaka Company. Instrumental study has been carried out on 10 subjects. The measurements have been performed at the site of application – before product application (D0) and 21 days (D21) after use. The study has been carried out in an air conditioned room in the temp. of  $20\pm 2^{\circ}\text{C}$  and relative humidity  $50\pm 10\%$ . The product efficacy is confirmed in case of the positive results obtained in more than 50% of subjects.

##### **3.3.2 Assessment of the comedogenic and acneogenic potential**

The investigator counted amount of non-inflammatory lesions (blackheads and microcysts) and inflammatory lesions (pustules and papules) before treatment (D0) and after 21 days (D21) of regular applications. Lesions were counted on whole face except the nose area. After the end of the study in case of increase in the number of lesions the investigator assessed the relations with the product. If the difference between D21 and D0 for each parameter does not change or does not increase then the product is non comedogenic and / or non acneogenic.

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**4. DESCRIPTION OF SUBJECTS**

<b>GENERAL</b>	Sign an informed consent to participate in the study, were informed about the purpose of the study, the manner of its conduct and the possible side effects.	
	The site of product application without irritation and changes requiring pharmacological treatment (specialist evaluation).	
<b>SPECIFIC</b>	Amount of subjects:	10 subjects
	Gender:	Women, Men
	Age:	18 – 25
	Skin type:	Combination, Oily

The qualified subjects received the tested product and were obliged to:

- regular use of the product according to the method of use,
- during the test any other products of similar effects must not be used,
- in case of any side effects on skin they should immediately stop using the product and consult specialist at J.S. Hamilton Poland.

The test results may be affected by such factors as:

- type and condition at the site of product application,
- inter-individual genetic characteristics.

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**5. RESULTS**
**5.1 Characteristic of subjects**

Subject's no.	Subject's code	Gender	Age	Skin type	Skin sensitivity	Study initiation date	Study completion date						
1.	REP PA	W	25	C	Y	20.01.2020	12.02.2020						
2.	SKU MA	W	25	C	N	20.01.2020	11.02.2020						
3.	KAR KA	W	24	C	Y	20.01.2020	10.02.2020						
4.	KRU AL	W	25	C	Y	20.01.2020	10.02.2020						
5.	HEW NA	W	23	C	N	20.01.2020	10.02.2020						
6.	ARB JU	W	18	C	Y	20.01.2020	10.02.2020						
7.	TOM JO	W	23	C	Y	21.01.2020	11.02.2020						
8.	ZDR AD	W	25	C	Y	23.01.2020	14.02.2020						
9.	POR MO	W	23	C	N	23.01.2020	11.02.2020						
10.	ROM KI	W	24	C	Y	24.01.2020	14.02.2020						
		WOMEN (W)	10	MEAN	24	COMBINATION (C)	10	YES (Y)	7	NUMBER OF SUBJECTS, WHO STARTED THE STUDY	10	NUMBER OF SUBJECTS, WHO FINISHED THE STUDY	10
				MIN	18			NO (N)	3				
				MAX	25								

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## 5.2 The instrumental test result

### 5.2.1 Instrumental test of sebum level by using Sebumeter® SM 815

Assumption:

The product reduces secretion of sebum, when the parameter value decreases.

Table 1. Sebumeter® SM 815. The results of the level the secretion of sebum measurements before application (D0) and 21 days (D21) after product application in  $\mu\text{g}/\text{cm}^2$ .

Subject's no.	Before (D0)	After 21 days (D21)	Difference (D21-D0)
1.	125,3	103,7	-21,7
2.	184,3	175,0	-9,3
3.	163,3	169,3	6,0
4.	199,7	177,7	-22,0
5.	160,0	131,7	-28,3
6.	203,3	171,7	-31,7
7.	119,7	108,7	-11,0
8.	105,7	83,3	-22,3
9.	192,0	189,3	-2,7
10.	156,7	125,3	-31,3
<b>Mean</b>	<b>161,0</b>	<b>143,6</b>	<b>-17,4</b>
<b>Min</b>	<b>105,7</b>	<b>83,3</b>	<b>-31,7</b>
<b>Max</b>	<b>203,3</b>	<b>189,3</b>	<b>6,0</b>
<b>SD</b>	<b>34,7</b>	<b>37,4</b>	<b>12,7</b>
<b>Median</b>	<b>161,7</b>	<b>150,5</b>	<b>-21,8</b>
<b><math>\Delta\%</math></b>			<b>-11%</b>
<b>% subjects with positive effect</b>			<b>90%</b>

Conclusion: The set of products **beMe Purifying Cleansing Gel, beMe Rebalancing and Moisturizing Cream, beMe Correct and Cover** reduces the secretion of sebum.

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**5.3 Assessment of the comedogenic and acnegenic potential**

<b>Parameter</b>	<b>Kinetic</b>	<b>Mean</b>	<b>±</b>	<b>SD</b>
Blackheads	D21-D0	-3,5	±	3,4
Microcysts	D21-D0	-0,9	±	1,1
<b>Non-inflammatory lesions</b>	<b>D21-D0</b>	<b>-4,4</b>	<b>±</b>	<b>3,8</b>
Papules	D21-D0	-1,0	±	0,9
Pustules	D21-D0	-2,9	±	1,0
<b>Inflammatory lesions</b>	<b>D21-D0</b>	<b>-3,9</b>	<b>±</b>	<b>1,3</b>

Individual results are presented in the Appendix **7.1**.

Under this study condition, after 21 days of the product use, all parameters presented decrease of values.

Conclusion: The set of products **beMe Purifying Cleansing Gel, beMe Rebalancing and Moisturizing Cream, beMe Correct and Cover** is non comedogenic and non acnegenic.

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**6. CONCLUSION**

Under these study conditions, after 21 days of regular application, it is concluded, that the set of products **beMe Purifying Cleansing Gel, beMe Rebalancing and Moisturizing Cream, beMe Correct and Cover:**

- reduces the secretion of sebum (average 11%),
- is non comedogenic and non acnegenic.

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**7. APPENDIX**
**7.1 Assessment of the comedogenic and acneogenic potential**

Subject's no.	Blackheads			Microcysts			Non-inflammatory lesions			Papules			Pustules			Inflammatory lesions		
	D0	D21	D21-D0	D0	D21	D21-D0	D0	D21	D21-D0	D0	D21	D21-D0	D0	D21	D21-D0	D0	D21	D21-D0
1.	30	25	-5	4	3	-1	34	28	-6	1	1	0	6	2	-4	7	3	-4
2.	30	25	-5	4	2	-2	34	27	-7	1	0	-1	3	1	-2	4	1	-3
3.	25	20	-5	5	5	0	30	25	-5	2	1	-1	8	5	-3	10	6	-4
4.	50	50	0	3	3	0	53	53	0	5	2	-3	5	2	-3	10	4	-6
5.	35	35	0	4	4	0	39	39	0	4	2	-2	9	6	-3	13	8	-5
6.	25	20	-5	2	2	0	27	22	-5	1	0	-1	5	2	-3	6	2	-4
7.	15	10	-5	3	0	-3	18	10	-8	1	0	-1	4	0	-4	5	0	-5
8.	30	30	0	0	0	0	30	30	0	3	2	-1	3	2	-1	6	4	-2
9.	30	20	-10	6	5	-1	36	25	-11	2	2	0	7	5	-2	9	7	-2
10.	30	30	0	4	2	-2	34	32	-2	0	0	0	5	1	-4	5	1	-4
Mean	30,0	26,5	-3,5	3,5	2,6	-0,9	33,5	29,1	-4,4	2,0	1,0	-1,0	5,5	2,6	-2,9	7,5	3,6	-3,9
Min	15,0	10,0	-10,0	0,0	0,0	-3,0	18,0	10,0	-11,0	0,0	0,0	-3,0	3,0	0,0	-4,0	4,0	0,0	-6,0
Max	50,0	50,0	0,0	6,0	5,0	0,0	53,0	53,0	0,0	5,0	2,0	0,0	9,0	6,0	-1,0	13,0	8,0	-2,0
SD	8,8	10,8	3,4	1,6	1,8	1,1	9,0	11,2	3,8	1,6	0,9	0,9	2,0	2,0	1,0	2,9	2,7	1,3
Median	30,0	25,0	-5,0	4,0	2,5	-0,5	34,0	27,5	-5,0	1,5	1,0	-1,0	5,0	2,0	-3,0	6,5	3,5	-4,0

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**8. SIGNATURES**

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