



ITA-TEST SPÓŁKA Z O.O.

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TEST REPORT VALID ONLY WITH A HOLOGRAM**

REPORT FROM IN VITRO SPF RESEARCH

B – 78386 /1429SPF /21

Copy No. *2*

NAME OF THE TESTED PRODUCT: *WS001_New Zinc*

Order number: 78386/2021

Order date: 20.10.2021

SPF FACTOR VALUE DECLARED BY THE CLIENT: 50

Name and address of the Client: **Orenda Group LTD**
17, Ing Georgi Belov Str
Sofia, Bulgaria
00359 889 66 85 33

Method of collecting and/or delivering the test sample:

The test sample was provided by the Client.

The Client is responsible for the correct collection of sample provided for testing.

The Laboratory is responsible for the sample from the moment of admission to the laboratory or handing it over to the laboratory employee.

Characteristics of the product:

Replacement packaging: a plastic bottle labeled with the name of the product and direction of usage.

Sample No.:	1429 SPF
Date of starting the tests:	22.10.2021r
Date of ending the tests:	28.10.2021r
Date of issuing the report:	29.10.2021r

THE AIM/SCOPE OF THE RESEARCH: *Denotation of SPF factor by in vitro method with the use of spectrophotometer SPF290/S Optometrics, employing xenon lamp as the source of light and PMMA HH6 as a substrate.*

TEST RESULTS

No.	Type/name of determination	Unit of measure	Determination result	Standard deviation	Determination method
1.	SPF factor	-	>60*	-	PB 69/ChM ITA TEST ed. 2 of 02.06.2008r
2.	UVA/UVB	-	0.74	0.01	
3.	Erythermal UVA PF	-	24.4	1.0	
4.	Critical wavelength (λ_{crit})	nm	372.0	0.5	
5.	UVA/UVB rating on the Boots scale	-	3 (***) good	-	* minimal ** moderate *** good **** very good ***** ultra (according to the scale provided by Optometrics)

Tested sample of the product was applied to the substrate PMMA HD6 with an area of 25 cm² in the amount of (28.5± 0.5) mg
* Only SPF values from 0 – 60 can be considered accurate.

DISCUSSION OF TEST RESULTS

On the basis of spectrophotometric research in *in vitro* conditions using Diffey & Robson method, with the employment of Optometrics SPF 290S spectrophotometer, it has been determined, that the sun protection factor SPF in the tested product is: **50+**

In addition, the tested cosmetic, according to the Boots scale provided by Optometrics for the relative protection of the skin against solar radiation, expressed by the UVA/UVB ratio, obtained the following grade: **good (3)**.

The results presented above, received with the use of widely accepted *in vitro* method, confirm the recipe protection against the sun and determine the SPF factor in the *in vitro* conditions.

In some cases the results received by *in-vitro* method may differ substantially from the results received by *in-vivo* method.

Therefore, especially for products that protect the skin during getting sun tan, the value of SPF factor should be also determined by *in-vivo* examination.

Laboratory statement:

The tests were carried out in accordance with the principles of Good Professional Practice, and the final report corresponds to the source data. The Client has the right to lodge a complaint within 14 days of receiving the "Test Report" in writing, by e-mail or in person at the headquarters of the Laboratory. The complaint shall be processed in accordance with the procedure adopted in the laboratory within 30 days of the complaint being made.

A sample of the tested product remains in the "ITA - TEST" Archive for 6 months from the date of starting the tests, after which it is liquidated. The test results refer only to the tested sample. The laboratory carried out all tests at the company's headquarters.

Additions, exceptions or limitations to the method: none

The report has been drawn up in 2 identical copies.

The report receive:
Copy No. 1 - The Client
Copy No. 2 - ITA-TEST Archives,

Test report valid only with hologram.
Series A number means that a valid report has 1 hologram
Series B number means that a valid report has 2 holograms
Series C number means that a valid report has 3 holograms

Specjalistyczne Laboratorium Badawcze

Test report prepared by:

Signature:  Dorota KUBAJ
Kierownik Pracowni Fizyki i Chemii Fizycznej



Test report authorized by:

Date and signature:  29 PAŹ. 2021
Specjalistyczne Laboratorium Badawcze

Monika SKORKA
Dyrektor Operacyjny

END OF REPORT

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Report from *in vitro* SPF research: B – 78386/1429SPF/21

Annex No. PO-06-10 Edition No. 3, valid from: 01.06.2021