

## IX. RESULTS

TEST PRODUCT: SUNCARE PRODUCT REF: 762.42 - Expected SPF: 50								
Test			Subjects			SPF assessment		
Exposure date	Responsible technician		Ref.	Phototype	Skin ITA°	MEDui (expressed in MED)	MEDpi (expressed in MED)	SPFi
	Application	Reading						
11/02/2020	AC	RS	1	II	42	1.96	97.90	49.9
11/02/2020	AC	RS	2	II	38	1.99	111.25	55.9
12/02/2020	AC	RS	3	III	40	1.84	82.25	44.7
12/02/2020	AC	RS	4	III	50	1.42	71.10	50.1
12/02/2020	GB	AC	5	III	50	1.60	89.70	56.1
02/03/2020	RS	AC	6	III	55	1.30	72.00	55.4
02/03/2020	GB	RS	7	II	46	1.57	89.33	56.9
02/03/2020	GB	RS	8	II	43	1.71	76.33	44.6
03/03/2020	RS	AC	9	III	32	3.20	160.13	50.0
03/03/2020	GB	RS	10	III	39	1.90	94.80	49.9
<b>Final result on n = 10</b> <b>(valid cases)</b>			<b>Mean SPF</b>				<b>51.4</b>	
			s (standard deviation)				4.6	
			c ( $t \cdot s / \sqrt{n}$ )				3.3	
			CI [%] ( $100 \cdot c / \text{SPF}$ )				6	

TEST PRODUCT: P2 - Expected SPF: 13.7-18.5								
Test			Subjects			SPF assessment		
Exposure date	Responsible technician		Ref.	Phototype	Skin ITA°	MEDui (expressed in MED)	MEDpi (expressed in MED)	SPFi
	Application	Reading						
11/02/2020	AC	RS	1	II	42	1.96	26.18	13.4
11/02/2020	AC	RS	2	II	38	1.99	29.88	15.0
12/02/2020	AC	RS	3	III	40	1.84	27.61	15.0
12/02/2020	AC	RS	4	III	50	1.42	19.08	13.4
12/02/2020	GB	AC	5	III	50	1.60	21.51	13.4
02/03/2020	RS	AC	6	III	55	1.30	19.52	15.0
02/03/2020	GB	RS	7	II	46	1.57	26.80	17.1
02/03/2020	GB	RS	8	II	43	1.71	22.90	13.4
03/03/2020	RS	AC	9	III	32	3.20	42.68	13.3
03/03/2020	GB	RS	10	III	39	1.90	28.44	15.0
<b>Final result on n = 10</b>  <b>(valid cases)</b>			<b>Mean SPF</b>				<b>14.4</b>	
			s (standard deviation)				1.2	
			c ( $t \cdot s / \sqrt{n}$ )				0.9	
			<b>CI [%] (<math>100 \cdot c / \text{SPF}</math>)</b>				<b>6</b>	

**Comments:**

The SPF of the reference product P2 was assessed simultaneously to the test product.

The mean SPF obtained for the reference product falls within the indicative range (13.7-18.5) – the 95% confidence interval of the mean falls within a range of +/- 17% of the measured mean SPF. The test is validated.

## X. CONCLUSION

According to the methodology used ("ISO 24444:2010 - In vivo Determination of the Sun protection factor/ November 2010"), the experimental results obtained during this study allow to conclude that the mean SPF value calculated for the product **SUNCARE PRODUCT REF: 762.42** is:

**SPF = 51.4 with CI [%] 6**