

**TITLE OF THE STUDY**

IN VITRO UVA PF EVALUATION WITH PRE-IRRADIATION  
IN VITRO CRITICAL WAVELENGTH EVALUATION WITH PRE-IRRADIATION  
ACCORDING TO PN-EN ISO 24443:2021 METHOD

**DERMSCAN POLAND STUDY NUMBER**

22E2956-7PL

**TEST ITEM**

PMX028-1

**1. SUMMARY**

<b>Name and address of Sponsor</b>	<b>PELHAM GROUP</b> Unit 2, 3 & 4A Old Station Yard Station Road, Petworth, West Sussex GU28 OJF UNITED KINGDOM
<b>Name and address of test facility</b>	<b>Eurofins DermScan Poland</b> Ul. Matuszewskiego 12 80 - 288 GDANSK POLAND Telephone: + 48 58 732 02 90 www.dermscan.pl
<b>Name and address of study director</b>	<b>Artur Grzeńkiewicz</b> Ul. Matuszewskiego 12 80 - 288 GDANSK POLAND Telephone: + 48 58 732 02 90 www.dermscan.pl
<b>Study initiation date (dd/mm/yyyy)</b>	2022.12.01
<b>Study completion date (dd/mm/yyyy)</b>	2022.12.06
<b>Experimentation date (dd/mm/yyyy)</b>	2022.12.05
<b>Estimate number</b>	22D2956
<b>DermScan France register number</b>	22E2956
<b>DermScan Poland study number</b>	22E2956-7PL
<b>DermScan test item number</b>	22P2954-7PL
<b>Test item identification</b>	PMX028-1
<b>Reference on the sample (if different)</b>	SPF 50 Serum PMX028-1
<b>Formula name</b>	NA
<b>Batch number</b>	1790
<b>SPF in vivo</b>	<b>53.8</b>
<b>Results</b>	<b>UVAPF = 29.9</b> <b>CRITICAL WAVELENGTH = 379</b>
<b>Classification</b>	<b>Good UVAPF protection</b> <b>Guarantee a Critical Wavelength protection</b>

**2. PURPOSE OF THE STUDY**

The purpose of this study is to determine the in vitro UVA protection factor of a sun protection against UVA radiation (UVAPF), which can be derived mathematically with in vitro spectral modelling, by an in vitro test, using UV Spectrophotometer, in accordance to ISO 24443 method.