Clinical Study Summary Report

A Clinical Study for Determining the Sun Protection Factor and UVA Protection Factor of "GLUTANEX UV Glow Balm"

Requestor: Nexus Pharma Co., Ltd.

February 02, 2024

Korea Institute of Dermatological Sciences

Report Summary

Test Title	A Clinical Study for Determining the Sun Protection Factor and UVA Protection Factor of "GLUTANEX UV Glow Balm"
Research Organization	Korea Institute of Dermatological Sciences 6F, H Business Park Building A, 25 Beobwonro 11-gil, Songpa-gu, Seoul, Republic of Korea
Requestor	Nexus Pharma Co., Ltd. 6F, 71, Gonghang-daero 45-gil, Gangseo-gu, Seoul, Republic of Korea
Test Product	GLUTANEX UV Glow Balm
Formulation	Solid
Test Period	December 26, 2023 ~ February 02, 2024
Methods	This test is conducted in accordance with the JCIA, SPF Test Method of Cosmetics Europe (ISO24444:2019/AMD.2022), ISO24442:2022 and the Standard Operating Procedure (SOP) of Korea Institute of Dermatological Sciences. 1) Selection of subjects: Healthy female and male, aged from 18 to 60 years old 2) Product Application: Evenly apply 2.00 ± 0.05 mg/cm^2 amount to the test area. 3) Application areas: 35 cm^2 (7 cm x 5cm) 4) Waiting time after product application: 15-30 minutes 5) Test device: Multi-port Solar Simulator 601-300W 6) Assessment Methods - Evaluate the response of minimal persistent pigment darkening Dose (MPPD) within 2 -24 hours after UV irradiation - Evaluate the response of minimal erythemal dose (MED) within 16 -24 hours after UV irradiation 7) Statistical criterion: Check whether 95% of confidence interval is within ± 17% of mean SPF and UVAPF
Results	The Sun Protection Factor (SPF) and UVA Protection Factor (UVAPF) of "GLUTANEX UV Glow Balm" were SPF **60.3 ± 4.4** and PFA **17.6 ± 2.1 (PA++++)**, respectively. The skin adverse reaction was not observed during the entire test processes.
Principal Investigator	In Sook An, Ph.D.
Researcher	Woncheol Kim, Tae Yeop Kim, Ye Bin Jung, Jin Hui Kim
Quality Assurance Director	Ga Ram Kim, Ph.D.
Report Date	February 02, 2024