ASSESSMENT OF THE SEBUM REGULATORY EFFICACY AND MATTIFYING EFFECT OF MANICOUAGAN CLAY*
*Under dermatological control

Study performed by ZURKO RESEARCH S.L. from 01/10/2020 to 03/04/2020

SUMMARY OF THE STUDY

- **Product type:** Manicouagan clay (100% mud)
- **Experimental aera:** face and neck.
- **Panel:** 21 panelists with oily skin.
- **Duration of the study:** 56 days
- **Frequency of use:** Every day during 56 days
- **Study objectives:** The objective of this study is to evaluate the sebum regulatory efficacy and the mattifying effect, as well as the acceptability, subjective efficacy for Manicouagan clay.

RESULTS - DERMATOLOGICAL ASSESMENT OF TOLERANCE

- None of the panelists showed any alterations after 28 and 56 days of continuous use of the product.

- 100% of the panelists did not show any undesirable symptoms after 56 days of continuous use of the product.

% of panelists with undesirable symptoms

No
100%
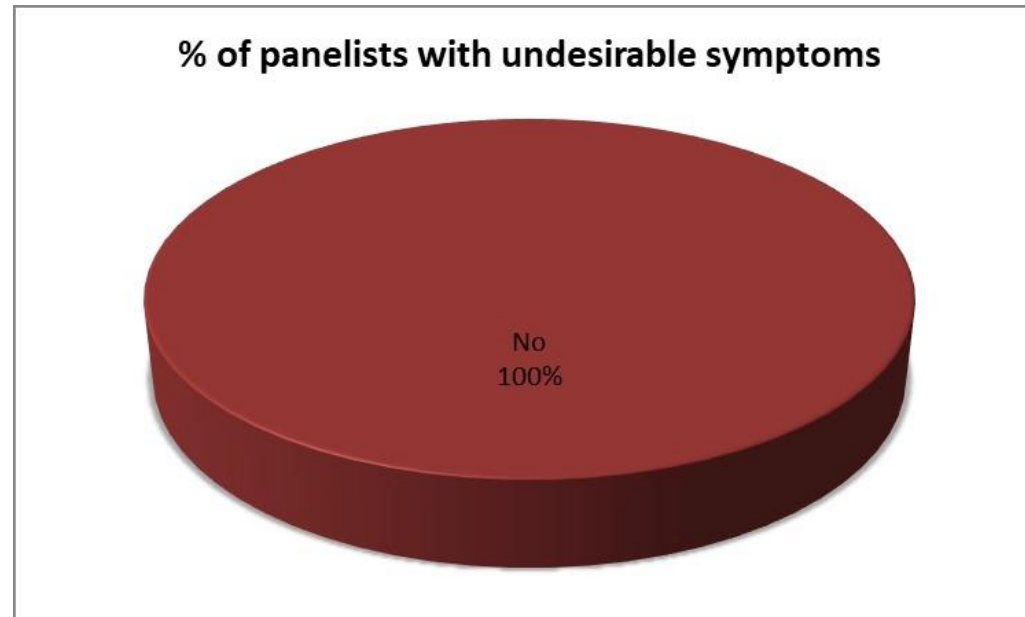
DERMATOLOGICAL ASSESSMENT OF NON-COMEDOGENICITY

- None of the panelists developed new **open comedones and/or closed comedones** during the study.

- No panelist developed new **cysts** during the study.

- None of the panelists developed new **pustules and/or nodules** during the study.

ASSESSMENT OF THE REDUCTION OF SEBUM

- 28 days after the application of the product, the percentage of area with sebum decreases an average of 20% in relation to baseline. This difference is statistically significant with a p-value lower than 0.05.

- 56 days after the application of the product, the percentage of area with sebum decreases an average of 56% in relation to baseline. This difference is statistically significant with a p-value lower than 0.05.
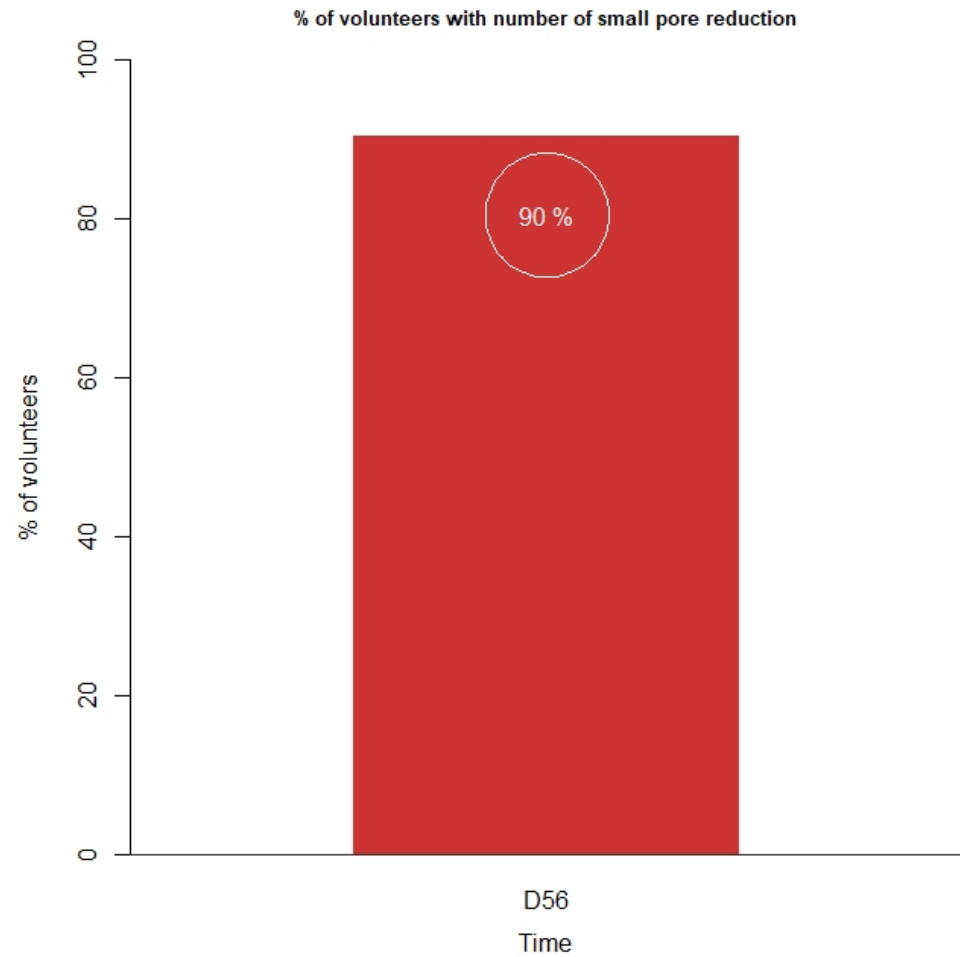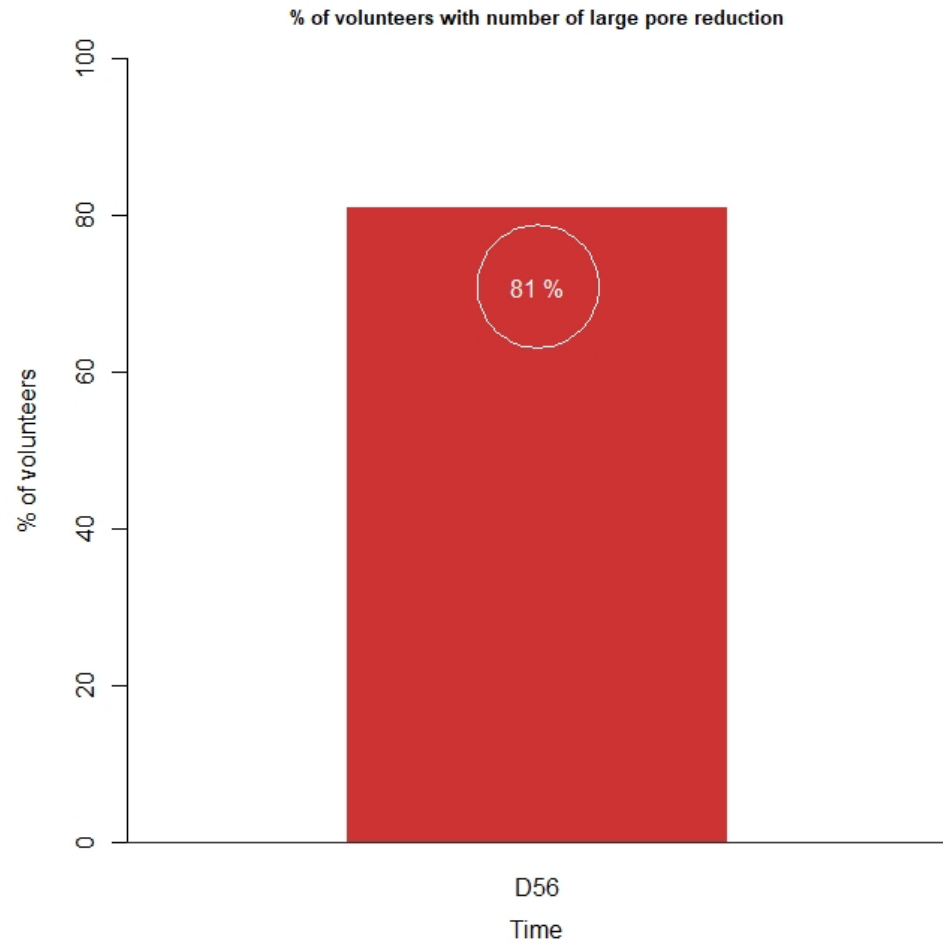
ASSESSMENT OF THE REDUCTION OF SEBUM AREA

% of volunteers with area with sebum points reduction
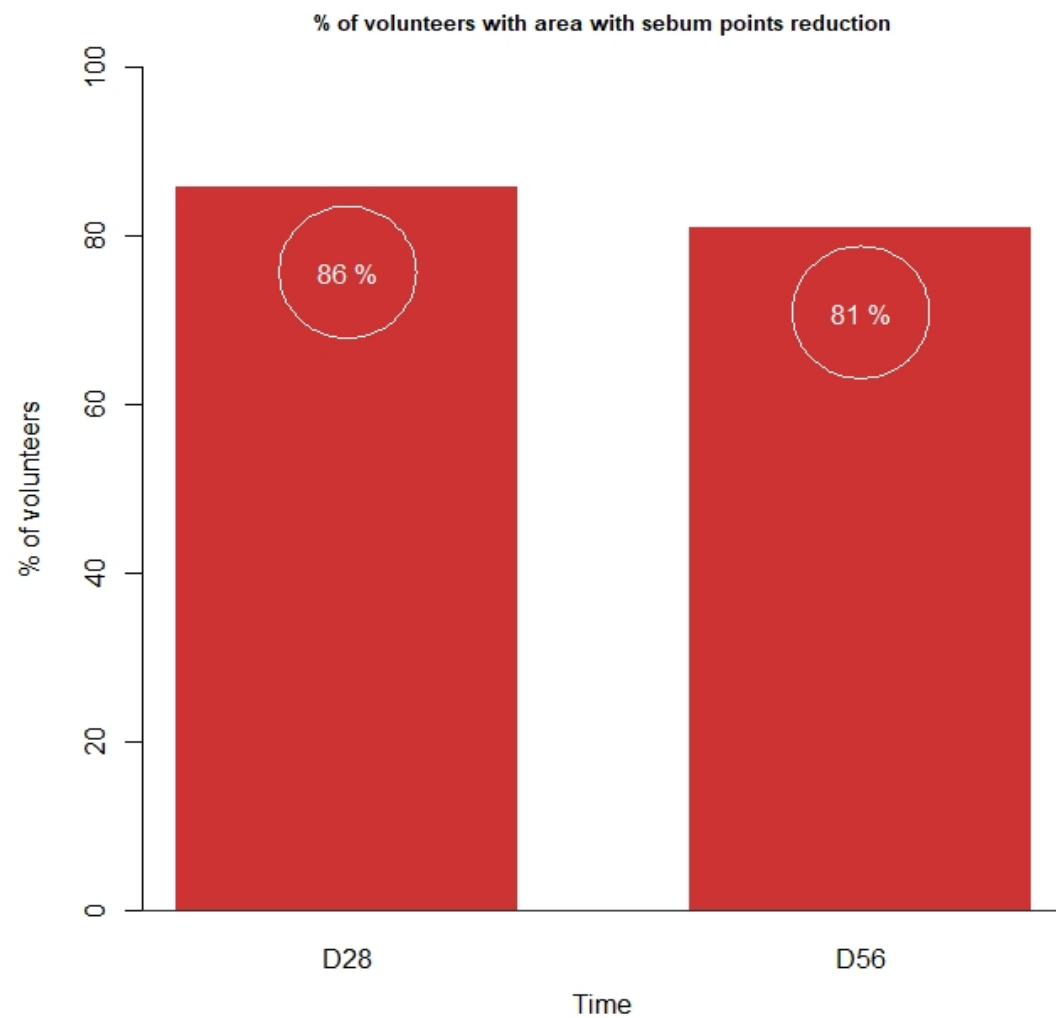
ASSESSMENT OF PORE SIZE REDUCTION

- Large pores: 56 days after the application of the product, the number of large pores decreases an average of 69% in relation to baseline. This difference is statistically significant with a p-value lower than 0.05.

- Small pores: 56 days after the application of the product, the number of small pores decreases an average of 46% in relation to baseline. This difference is statistically significant with a p-value lower than 0.05.

ASSESSMENT OF PORE SIZE REDUCTION

% of volunteers with number of large pore reduction

81 %

% of volunteers

D56
Time

% of volunteers with number of small pore reduction

90 %

% of volunteers

D56
Time

GLOBAL APPRECIATION AND ORGANOLEPTICS CHARACTERISTICS (% SATISFIED PANELISTS)
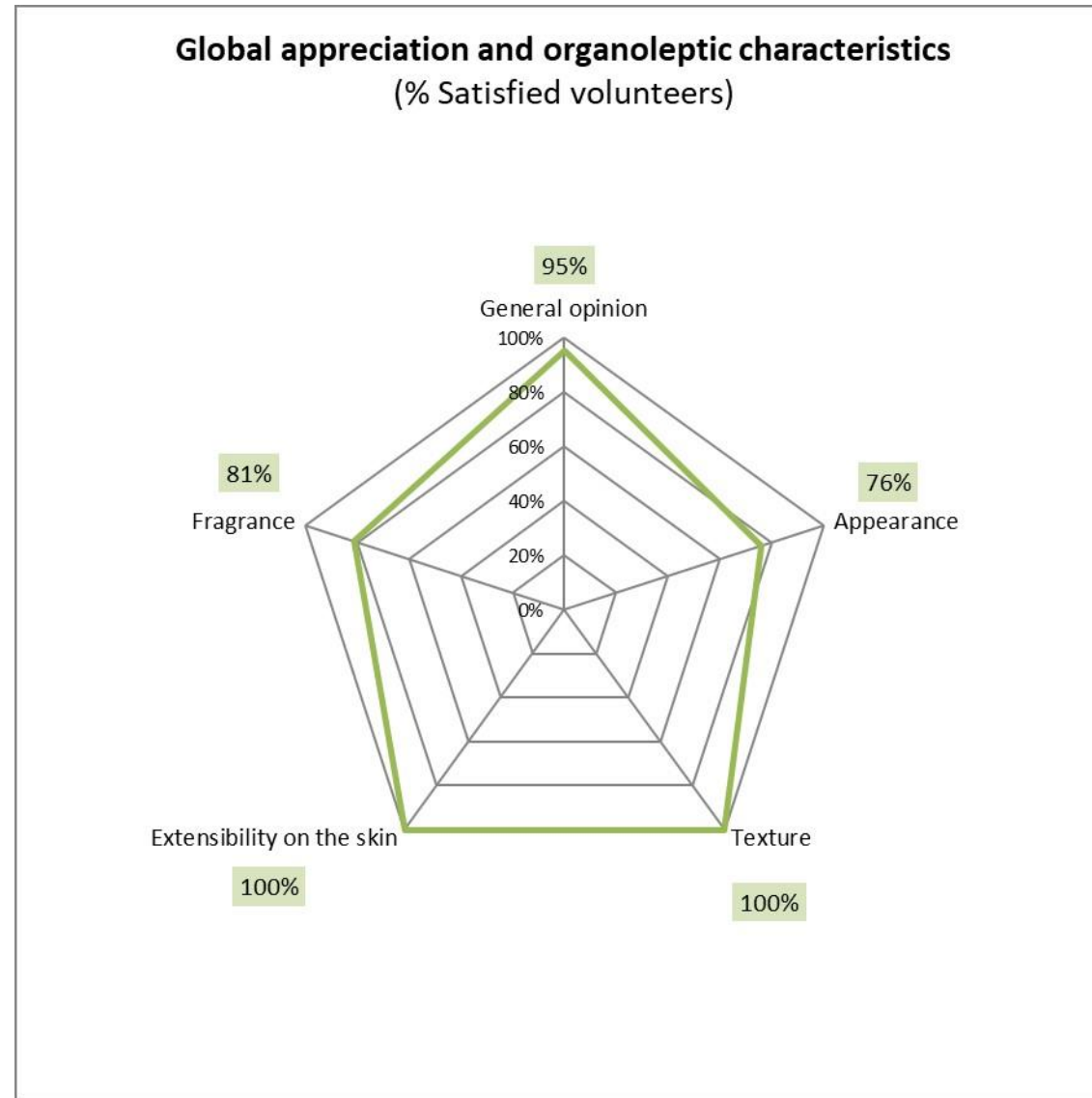
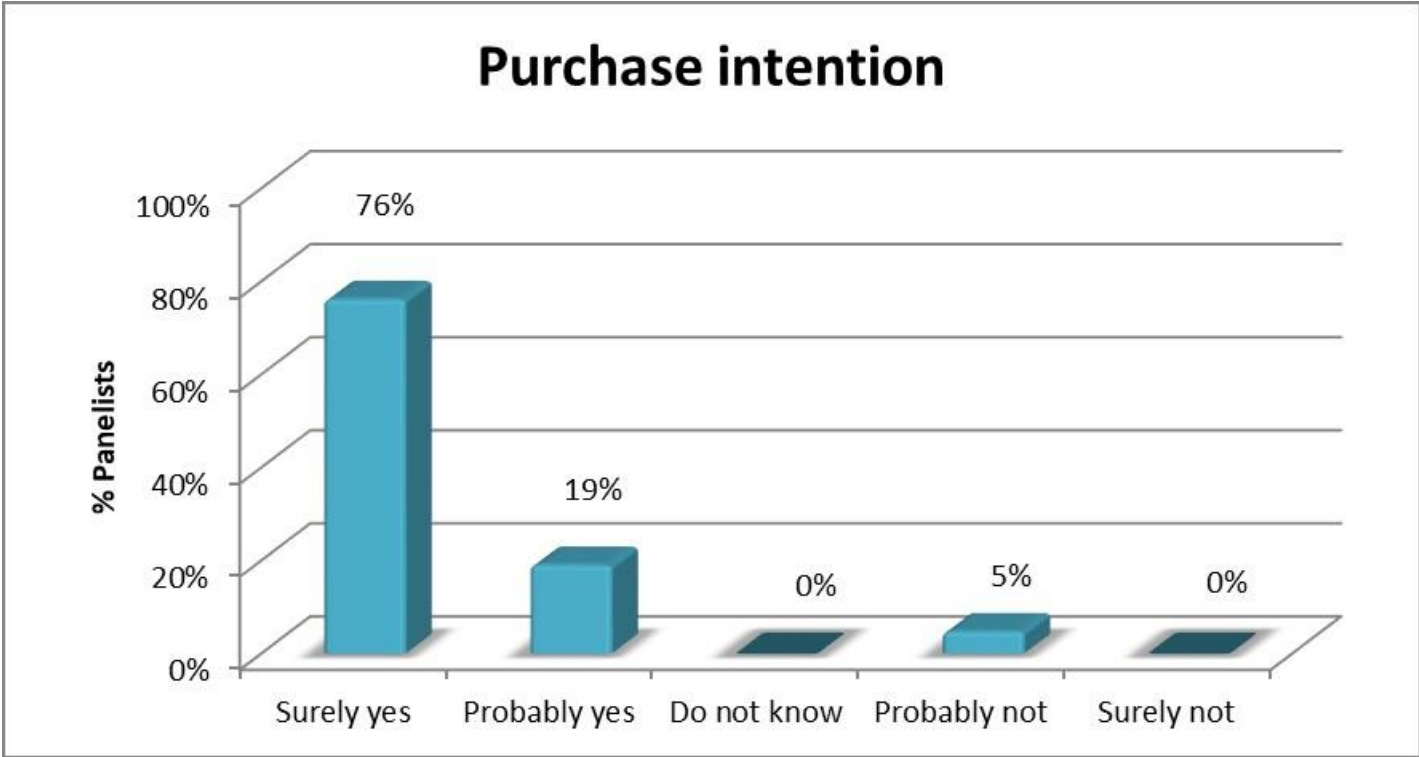# SUBJECTIVE EFFECTIVENESS (% SATISFIED PANELISTS)

Subjective Effectiveness
(% Safisfied volunteers)
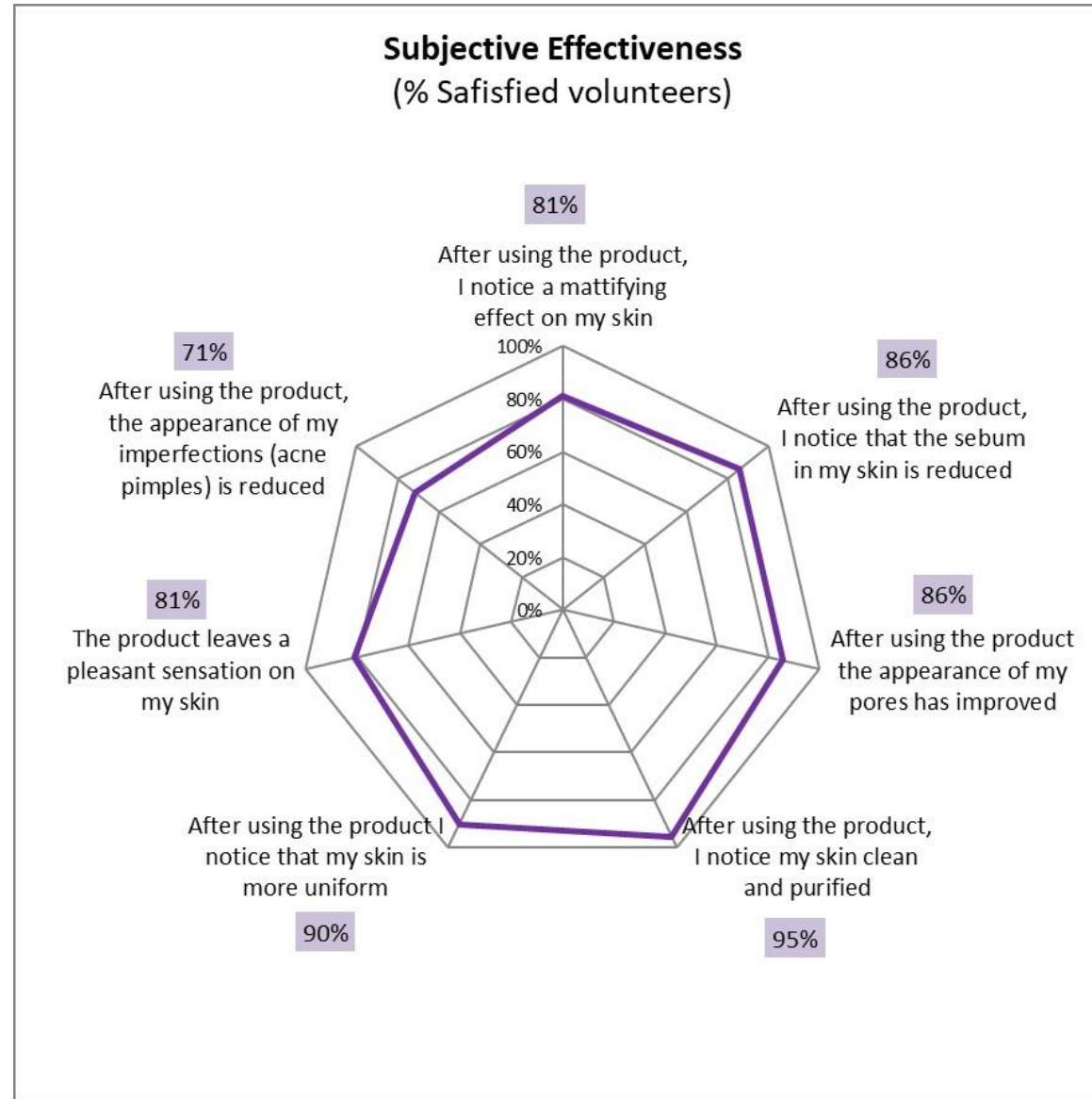
% SATISFIED PANELISTS – GLOBAL APPRECIATION – RESULT ON THE SKIN
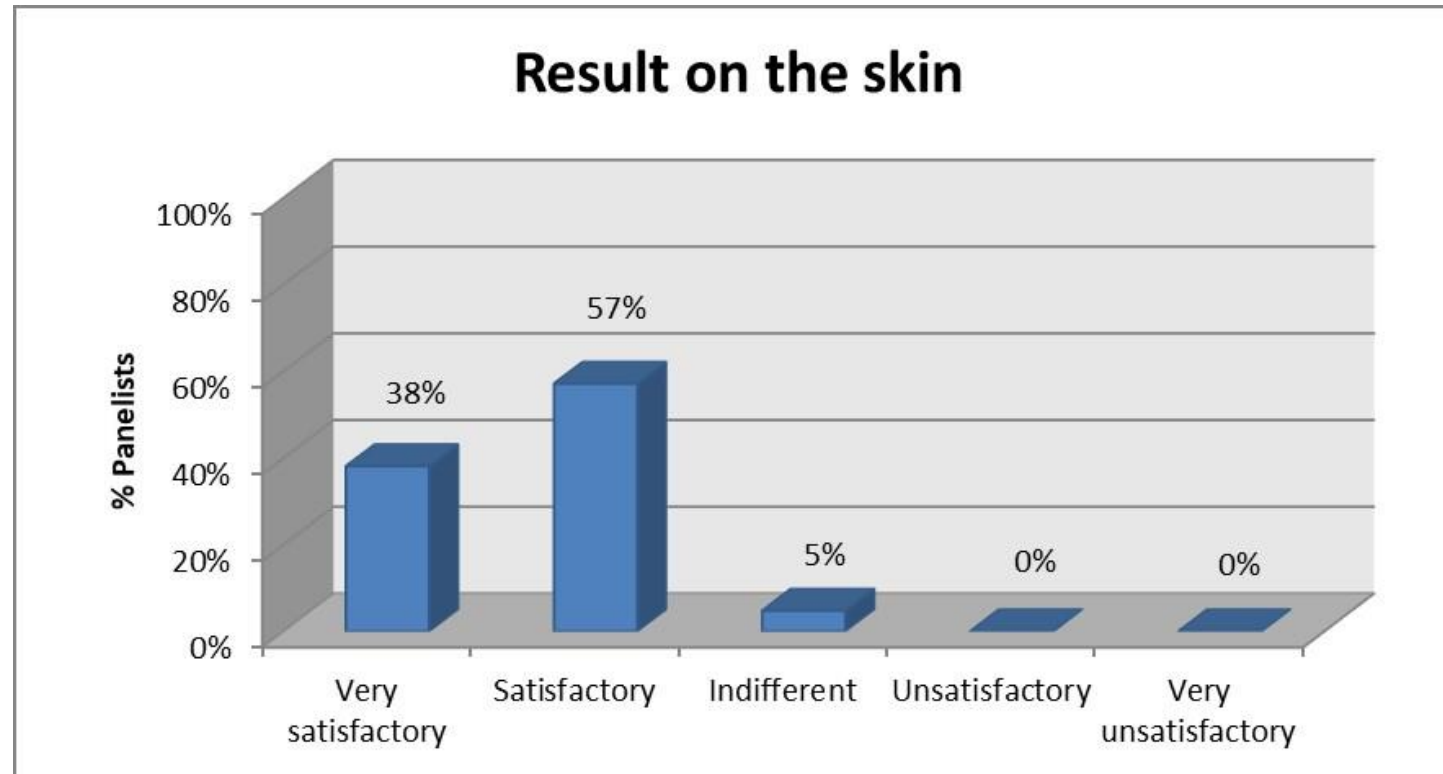
% SATISFIED PANELISTS – GLOBAL APPRECIATION – PURCHASE INTENTION

FULFILLMENT WITH THE EXPECTATIONS