

NEOSSANCE™

Squalane

Performance testing – 05.16.2014



# PLACEBO CONTROLLED STUDY: WRINKLE ASSESSMENT / ELASTICITY SKIN BARRIER FUNCTION

## CLINICAL STUDY

Clinical scorage on 30 women (Age range: 40-60)

After 28 Days

- 28.3% in skin roughness
- + 10.1% in elasticity
- 18.8% in TEWL (Transepidermal Water Loss)

## USAGE TEST

Panel of 30 women (Age range: 40-60)

After 4 weeks

- 93% declare that skin's radiance is significantly improved
- 80% say that skin's dryness is significantly reduced

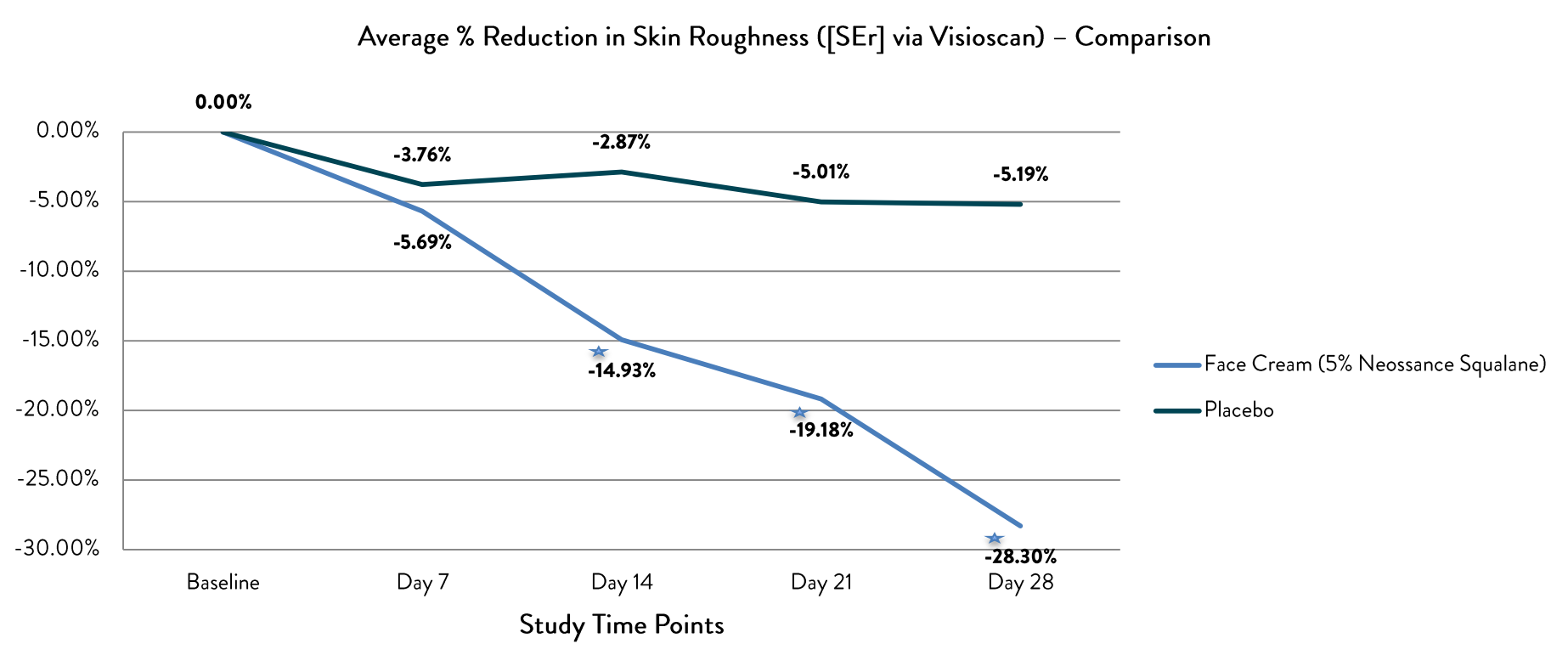
Application of tested product\* twice daily on the face

\*Tested product: Face Cream with 5% Neossance Squalane

Note: Purchasers of squalane from Amyris are solely responsible for ensuring compliance of their cosmetic products with all applicable regulatory requirements, including claims regarding the effect of squalane on skin. Neossance squalane is not to be promoted, sold or used as a drug or other pharmaceutical product.



# PLACEBO CONTROLLED STUDY: REDUCTION IN SKIN ROUGHNESS



Average % Reduction in Skin Roughness ([SEr] via Visioscan) - Comparison				
Face cream (5% NS) vs. Placebo	Day 7	Day 14	Day 21	Day 28
p	0.316	0.004*	0.002*	0.000*
t	1.040	3.406*	3.811*	6.680*

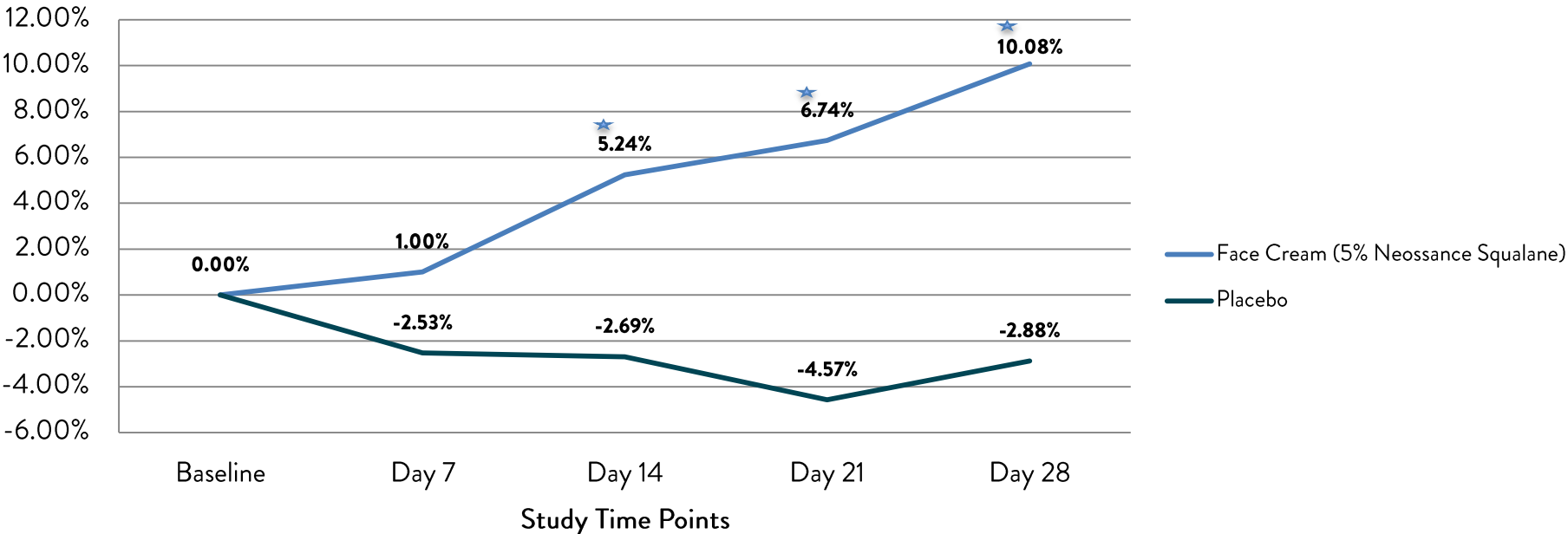
\* Statistically Significant

**Note:** Purchasers of squalane from Amyris are solely responsible for ensuring compliance of their cosmetic products with all applicable regulatory requirements, including claims regarding the effect of squalane on skin. Neossance squalane is not to be promoted, sold or used as a drug or other pharmaceutical product.



# PLACEBO CONTROLLED STUDY: INCREASE IN ELASTICITY

Average % Improvement in Skin Elasticity ([R7] via Cutometer) – Comparison



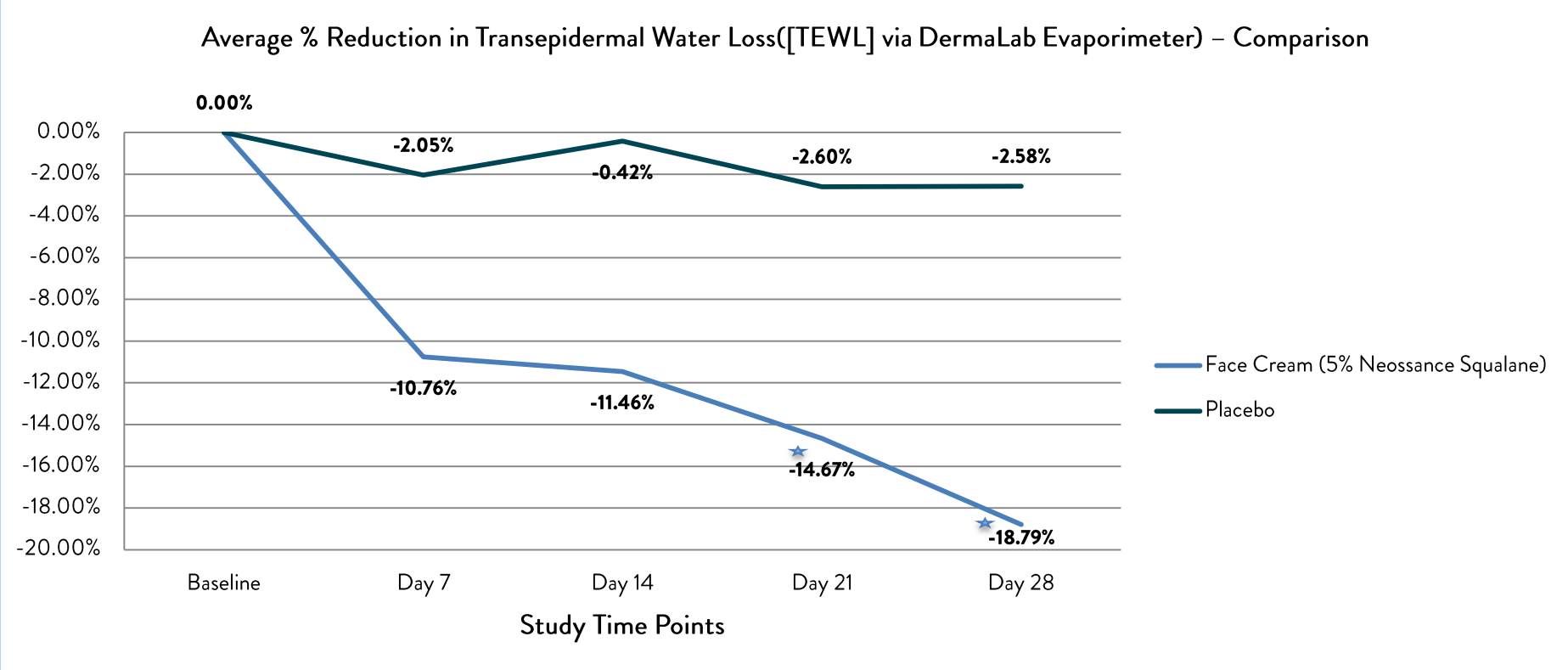
Average % Improvement in Skin Elasticity ([R7] via Cutometer) - Comparison				
Face cream (5% NS) vs. Placebo	Day 7	Day 14	Day 21	Day 28
p	0.095	0.001*	0.000*	0.000*
t	1.793	4.010*	5.152*	5.056*

\* Statistically Significant

**Note:** Purchasers of squalane from Amyris are solely responsible for ensuring compliance of their cosmetic products with all applicable regulatory requirements, including claims regarding the effect of squalane on skin. Neossance squalane is not to be promoted, sold or used as a drug or other pharmaceutical product.



# PLACEBO CONTROLLED STUDY: REDUCTION IN TRANSEPIDERMAL WATER LOSS



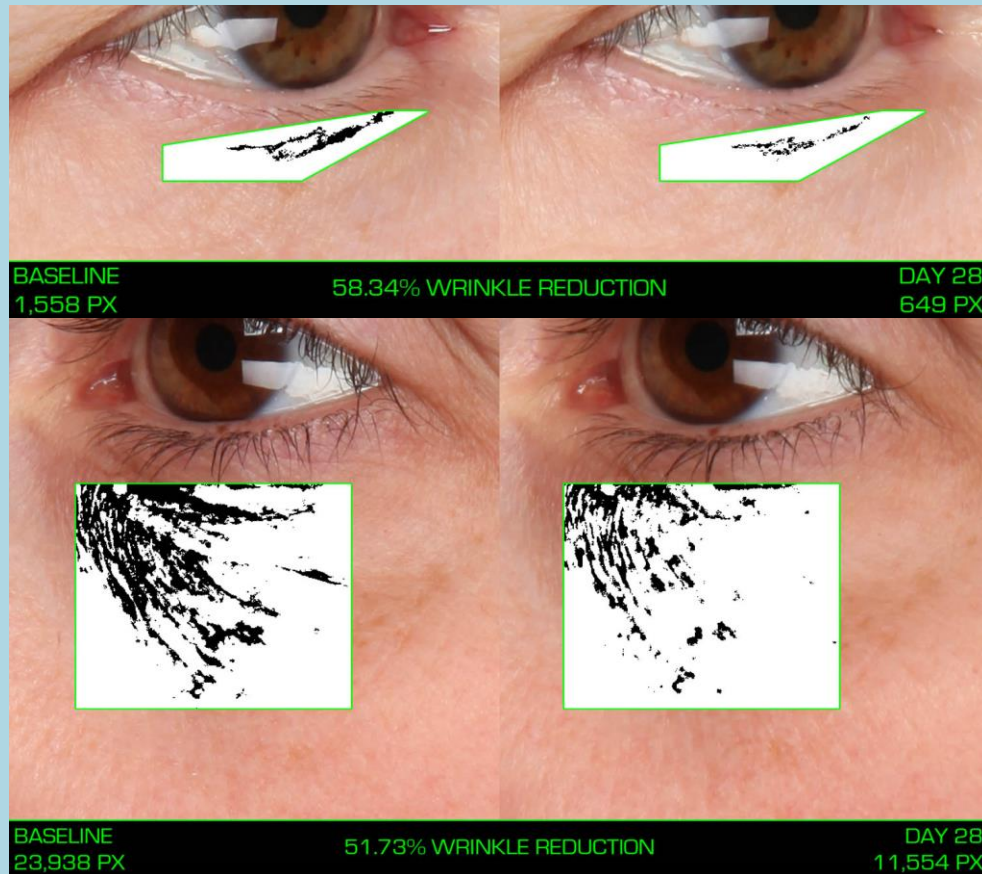
Average % Reduction in Transepidermal Water Loss ([TEWL] via DermaLab Evaporimeter) - Comparison				
Face cream (5% NS) vs. Placebo	Day 7	Day 14	Day 21	Day 28
p	0.253	0.100	0.034*	0.003*
t	1.192	1.764	2.355*	3.631*

\* Statistically Significant

**Note:** Purchasers of squalane from Amyris are solely responsible for ensuring compliance of their cosmetic products with all applicable regulatory requirements, including claims regarding the effect of squalane on skin. Neossance squalane is not to be promoted, sold or used as a drug or other pharmaceutical product.



# PLACEBO CONTROLLED STUDY: REDUCTION IN WRINKLES



## CLINICAL STUDY

Reverse Photo Engineering - Wrinkle Reduction Analysis

Digital photographs taken on 8 women (Age range: 44-60)

After 28 days

- **51.4%** Wrinkle Reduction

Application of tested product\* twice daily on the face

\*Tested product: Face Cream with 5% Neossance Squalane

Fig 1 and 2: High resolution matched digital photographs at baseline and at 28 days after product use (Face Cream – 5% Neossance Squalane).

Note: Purchasers of squalane from Amyris are solely responsible for ensuring compliance of their cosmetic products with all applicable regulatory requirements, including claims regarding the effect of squalane on skin. Neossance squalane is not to be promoted, sold or used as a drug or other pharmaceutical product.