



Redness Reduction Assay

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Tradename: ACB Yogurt Dermal Respiratory Factor PF

Code: 20224PF

CAS #: 68333-15-3

Test Request Form #: 5267

Lot#: 68389

Sponsor: Active Concepts, LLC; 107 Technology Drive Lincolnton, NC 28092

Study Director: Maureen Danaher

Principle Investigator: Kara Rivera

Test Performed:

In vivo Anti-Irritation Assay

Introduction

An *in-vivo* study was conducted to evaluate the ability of 5.0% **ACB Yogurt Dermal Respiratory Factor PF** in a base lotion to reduce redness compared to the base lotion alone.

Materials

A. Equipment: Medical Tape

Methods

This study was conducted using 5 volunteers between the ages of 22 and 40 who were known to be free of any skin pathologies. Prior to the test lotion applications, irritation was induced by tape stripping a patch of each participant's volar forearm with medical tape. Subjects were instructed to apply **5.0% ACB Yogurt Dermal Respiratory Factor PF** in a base lotion (Cetaphil Moisturizing for All Skin Types) to an irritated patch on their volar forearm. As a control, they were then instructed to apply the base lotion alone to an equally irritated patch on the same forearm. Both lotions were applied in equal amounts. 15 minutes after the application, participants were asked to rate the redness reducing effect of each lotion on a scale of 1-10. Before and after photos were taken of all participants.

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Results

Subjects reported that the lotion containing 5.0% **ACB Yogurt Dermal Respiratory Factor PF** reduced redness 72.0% better on average than the base lotion itself.

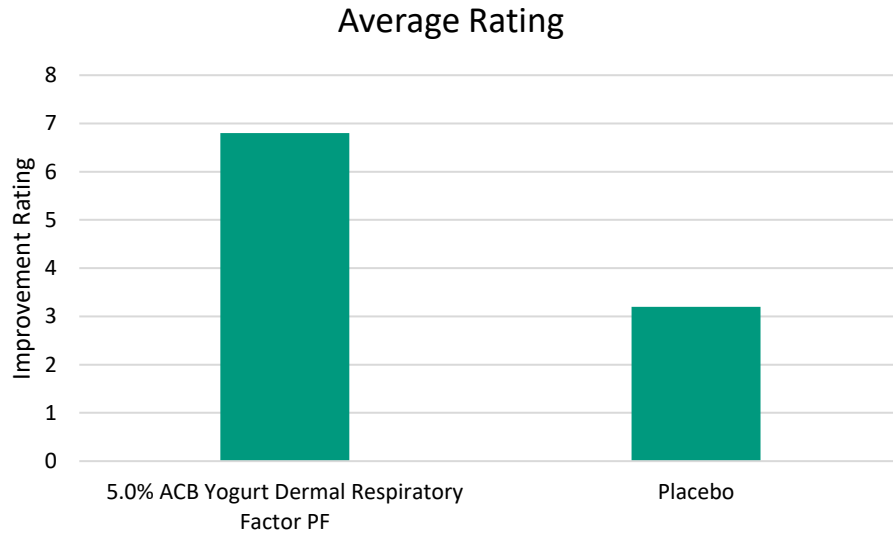


Figure 1. Average ratings of improvement for 5.0% ACB Yogurt Dermal Respiratory Factor PF lotion compared to the placebo lotion.

Participant 1

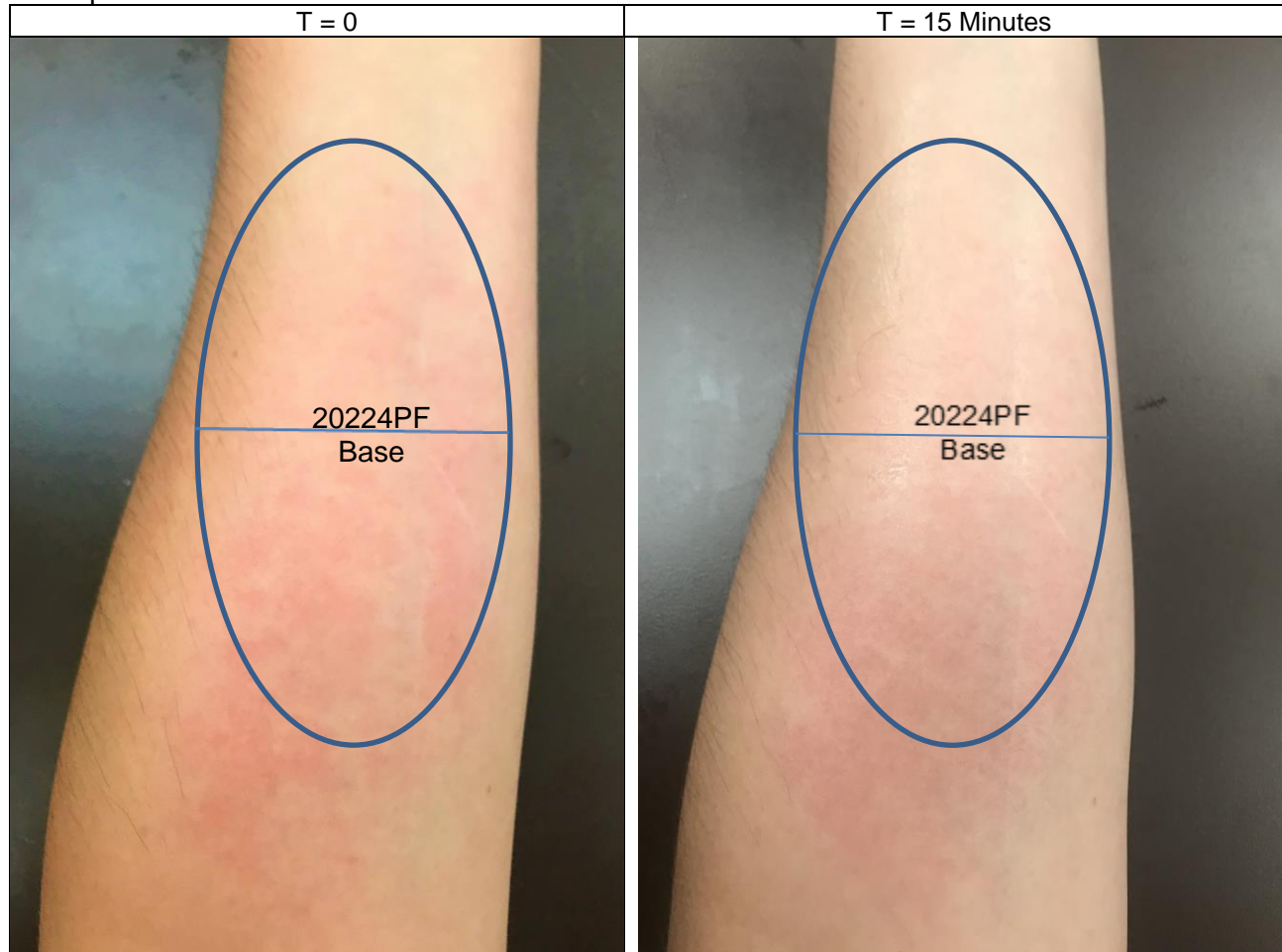


Figure 2. Irritated patch on participant 1 before and after 15 minute treatment.

Participant 2

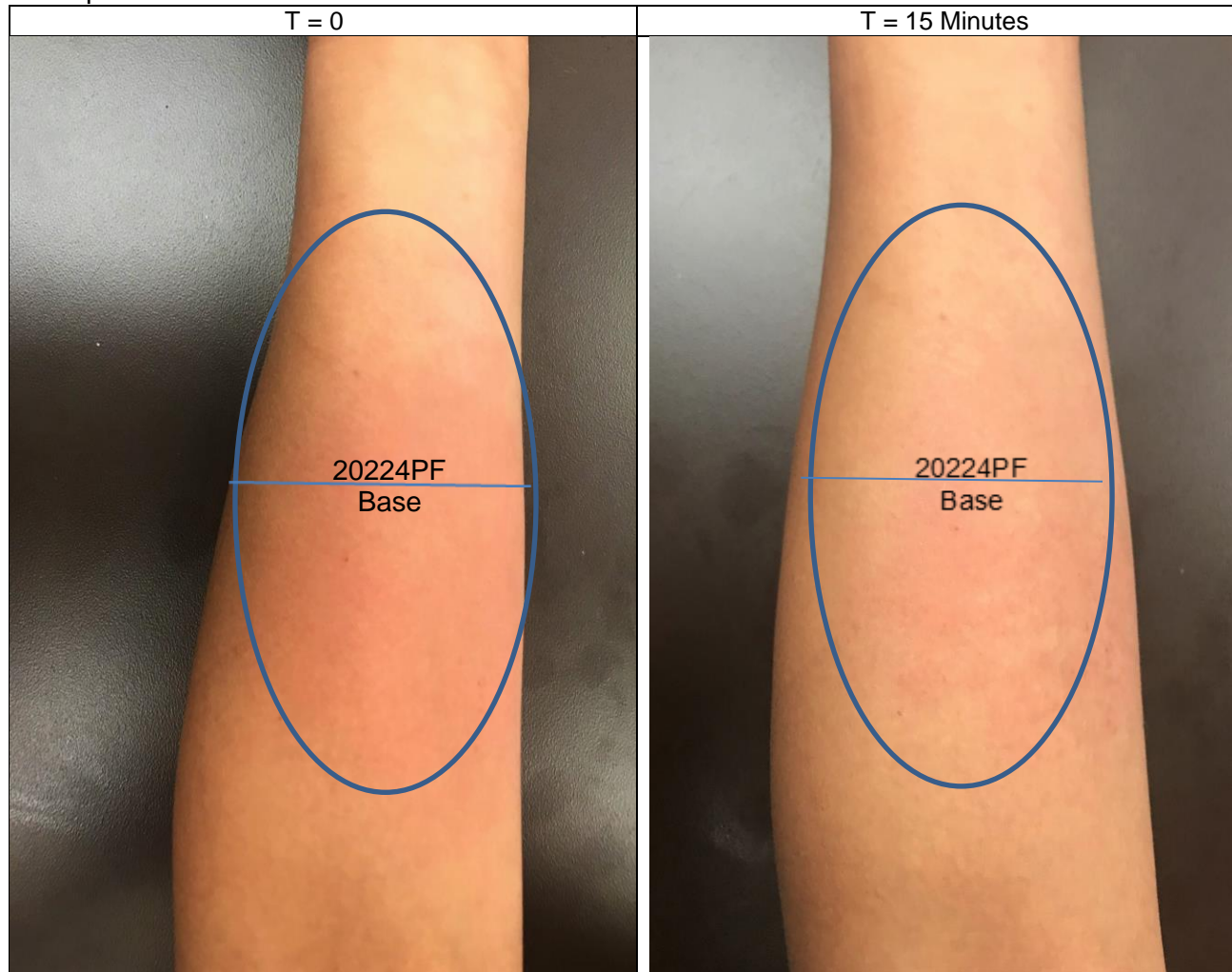


Figure 3. Irritated patch on participant 2 before and after 15 minute treatment.

Participant 3

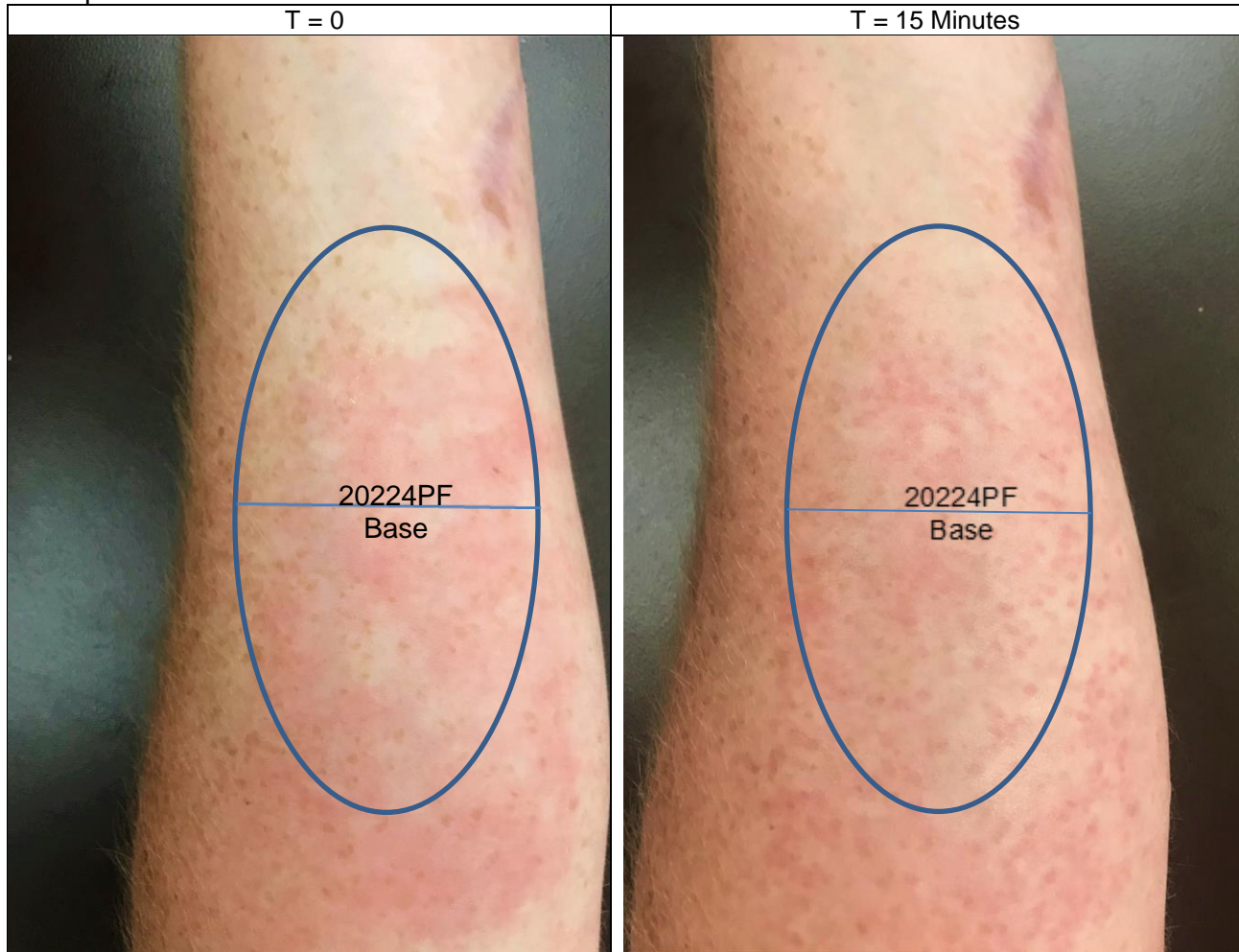


Figure 4. Irritated patch on participant 3 before and after 15 minute treatment.

Participant 4

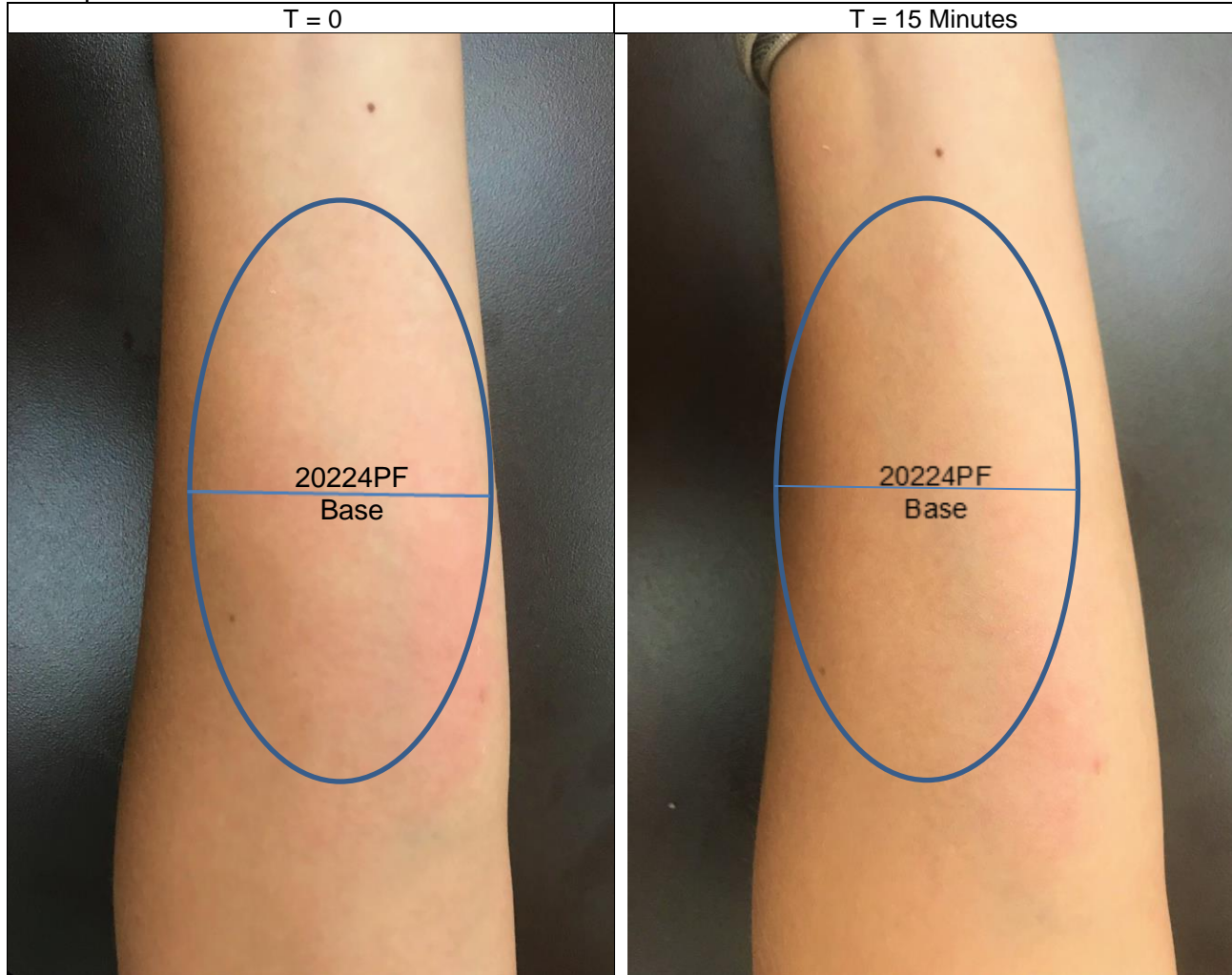


Figure 5. Irritated patch on participant 4 before and after 15 minute treatment.

Participant 5

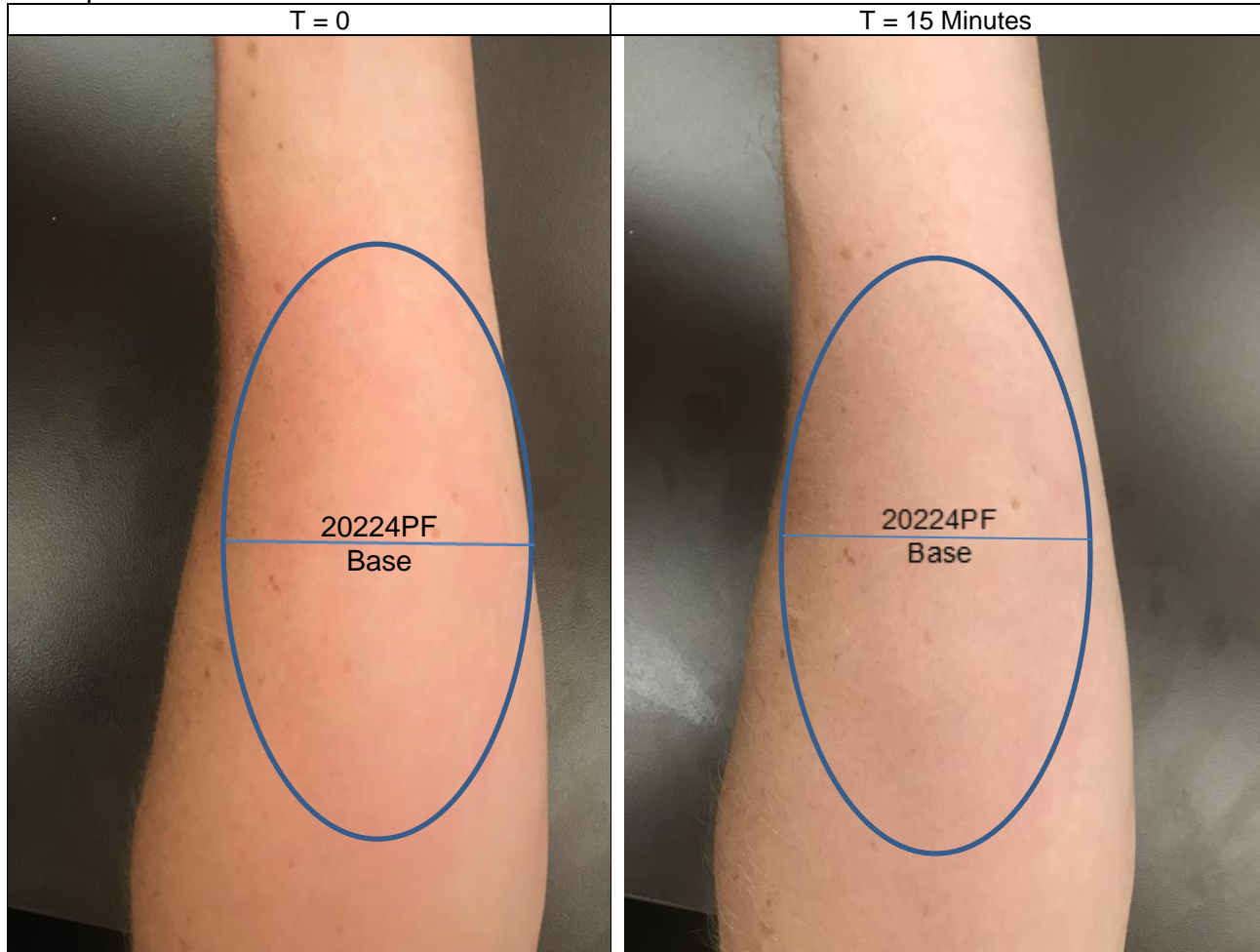


Figure 6. Irritated patch on participant 5 before and after 15 minute treatment.

Discussion

5.0% **ACB Yogurt Dermal Respiratory Factor PF** in base lotion demonstrated the ability to reduce redness after 15 minutes. On average, participants reported that the experimental lotion alleviated redness 72.0% better than the base lotion itself. The anti-redness effect is also evidenced by Figures 2 – 5 where it can be seen that the visible redness is reduced after the 15 minute treatment. These results indicate that **ACB Yogurt Dermal Respiratory Factor PF** is capable of reducing redness when used at recommended use levels.