

# Technical Data Sheet

## Information

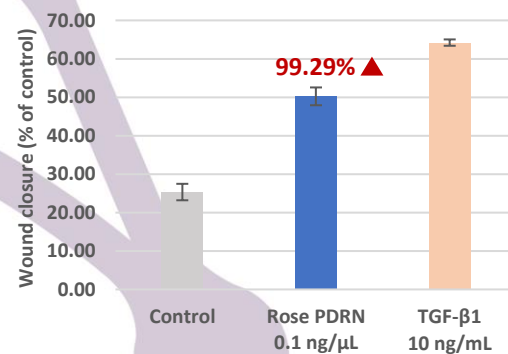
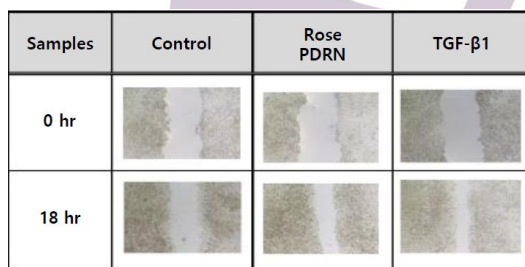
Trade name : HyPDRN Water(Rose)  
INCI : Water (and) 1,2-Hexanediol (and) Hydrolyzed DNA  
Application : Skin/Hair/Scalp care product  
Country of Origin : Republic of Korea

## Description of the manufacturing process

EssenTraction® is used to extract and purify PDRN from the flowers of plants that contain strong vitality.

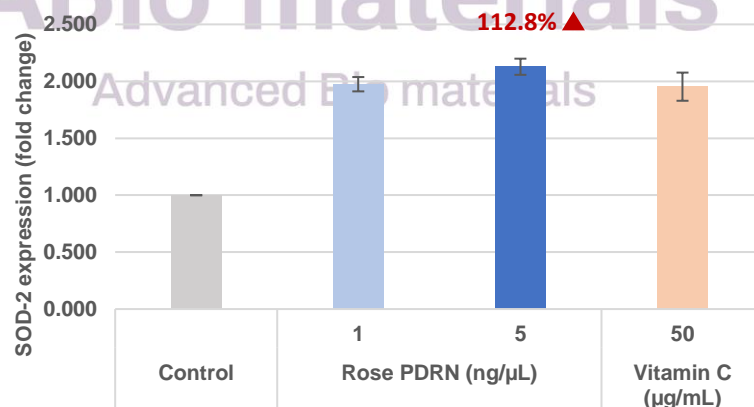
## Efficacy

- Skin cell renewal (wound healing assay)



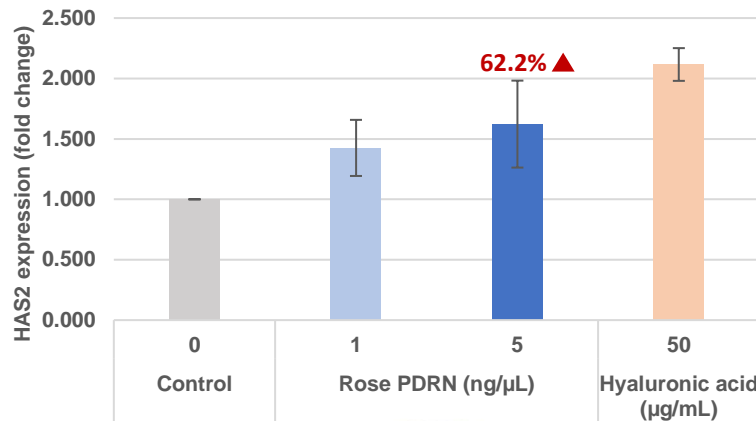
The effect of cell regeneration in the cells treated with Rose PDRN has been confirmed.

- Antioxidant (SOD-2 expression)



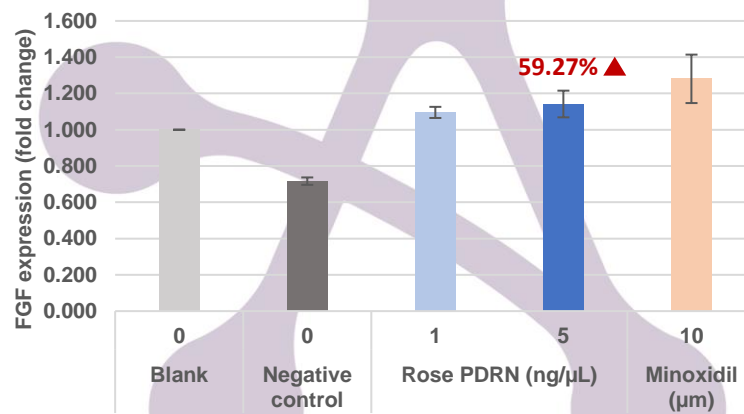
The antioxidant factor is increased with the treatment of Rose PDRN.

- Moisturizing (HAS2 expression)



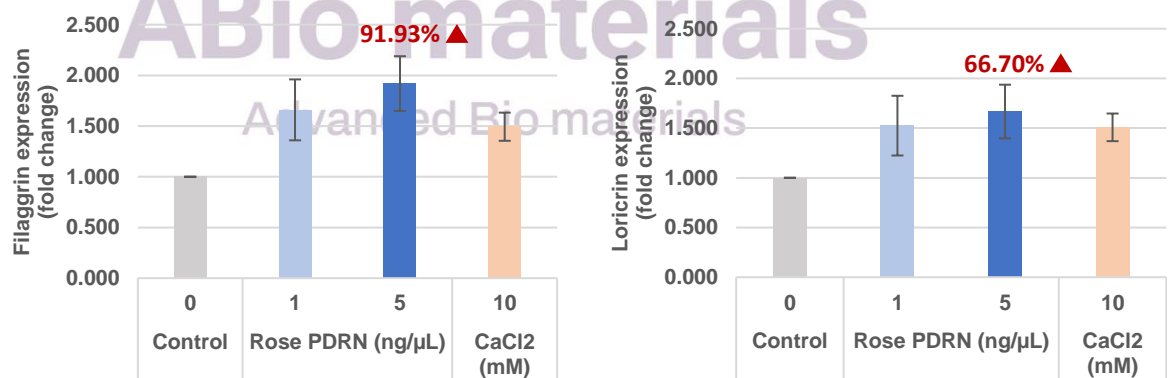
The moisturizing factor is increased with the treatment of Rose PDRN.

- Hair care efficacy (FGF expression)



FGF gene expression is increased with the treatment of Rose PDRN.

- Skin barrier efficacy (Filaggrin and Loricrin expression)



Filaggrin and loricrin expression is increased with the treatment of Rose PDRN.

## Specification

Description	Specification	Remarks
Appearance	Colorless to light yellowish-colored liquid	
Odor	Characteristic odor	
pH	6.00 ~ 8.00	
Refractive Index (n <sub>20/D</sub> )	1.330 ~ 1.350	
Heavy Metal	Less than 20 ppm	1.0g, Method 2
Arsenic	Less than 2 ppm	1.0g, Method 3
Microbial Count	Less than 100 CFU/g	

The composition sheet will be provided upon request.

## Regulatory information

CMR	: none	Vegan	: Eve Vegan
Allergenic substance	: none	HS Code	: 1302.19.9099
Nanomaterial	: none	Toxicity	: No data
GMO	: none	Animal testing	: none

Refer to the regulatory information sheet for detailed information.

## Expire date & packing, storage

Shelf life	: 2 years in original packing without breaking seal
Packing	: 20 kg, 200 kg (other packing options can be discussed upon inquiries)
Storage	: Store in a dry, cool, and well-ventilated place

## Stability

Rose PDRN stability has been confirmed for up to 12 weeks under 4, 25, and 45°C temperature conditions.