

Lanolin in Depth

- Proudly manufactured in the South Pacific, Nuclear & Pollution Free paradise of New Zealand – for over 25 years.
- Ascal Laboratories NZ Ltd are the pioneering manufacturers in New Zealand of a broad range of Lanolin Products.
- Available throughout New Zealand from Pharmacies, Health Food Stores & Specialist Tourist outlets.
- Exported worldwide.
- MERINO Brand: stands for commitment to **quality, effectiveness & customer satisfaction**.

Manufactured without cruelty or harm to animals.

Animals are not used for testing any of our products.

LANOLIN – In summary

- **LANOLIN** one of nature's own oils a humidifying protector.
- **LANOLIN** exists as a natural oil on the skin and in the fibre of sheep's wool.
- **LANOLIN** acts as a waterproof raincoat to the animal.
- **LANOLIN** is referred to as 'wool fat or wool grease' by farmers.
- **LANOLIN** resembles the sebaceous secretions of our own skin.
- **LANOLIN** is separated from the shorn sheep's wool after each spring clipping.
- **LANOLIN** is a wonderful emollient*.

Pure natural **LANOLIN** is too thick and too greasy for the skin.

Ascal Laboratories uses various fractions of **LANOLIN** in scientifically balanced proportions.

LANOLIN – General background

An understanding of Lanolin's unique qualities is helpful.

LANOLIN is the precious oily secretion from the skin of the sheep that becomes trapped in the sheep's wool. When the sheep is shorn each year (the sheep's hair cut) the wool is washed, processed & the Lanolin Oil extracted & refined.

The Lanolin is the Sheep's natural nourisher & protector against the extremes of its environment.

These oils of Lanolin are extremely similar to those natural oils we secrete from within our own skin (we're both animals).

Thus Lanolin is the only animal (human compatible) oil obtainable without having to kill or dissect the animal.

While most moisturising cremes & lotions use as their base oils, either vegetable or mineral oils, they don't have Lanolin's compatibility to those oils of our skin. We use some mineral & vegetable oils as supplements.

But Lanolin in our opinion forms the greatest replacement of our endlessly leached skin oils (washing, pollution, air-conditioning etc). Leached skin oils due to our environmental harshness & modern way of life.

LANOLIN – more detail & its history.

- The use of LANOLIN in cosmetics and skin care has a history longer than almost any other ingredient. A century of scientific investigation has evolved qualities, traditionally unparalleled in their stringency and surety.

- The performance of this quite remarkable substance and its many derivatives has been endlessly demonstrated down through the ages.
- Nature is abundant with materials which are beneficial to humans & their well-being .
- LANOLIN is such a material. Predating Science, it was never 'invented' & has never been bettered for versatility. It is the ultimate emollient*.
- It is a unique, multifunctional substance, designed by nature, fashioned by man .
- The Stratum Corneum is the outer layer of the Epidermis and is a lipid (oil) rich system, being bathed in an oily coating of Sebum, which is secreted by the Sebaceous glands of the skin.
- The Sebum plays a vital role in moderating the moisture balance of the Stratum Corneum and thereby its condition. The moisture within these cells is considered to be in an emulsified form, maintained through the action of naturally surface active Lipids of the Sebum.
- The presence of cellular moisture within this layer is responsible for the plumpness, smoothness, elasticity and translucency of healthy, young skin. Aging, sunlight and the vagaries of life in general result in a reduction in the ability of the Stratum Corneum to retain its ideal moisture content, so the skin gets drier, rougher & loses its youthful elasticity . Certainly this is a natural & inevitable process, but the incorporation of moisturising materials in skin care systems can be effective.
- *Emollient – defined as an oil, having the ability to enhance the moisture content of the Stratum Corneum & thereby imparting a smooth softening effect. LANOLIN certainly has this effect. Ask a user.