

Lactopid

Roots[®]



Organic Feed Supplement for Dairy Animals



Lactopid a Unique Organic Animal Feed Supplement.

Lactopid is a rumen protected, concentrated source of omega-3 fatty acids from linseed.

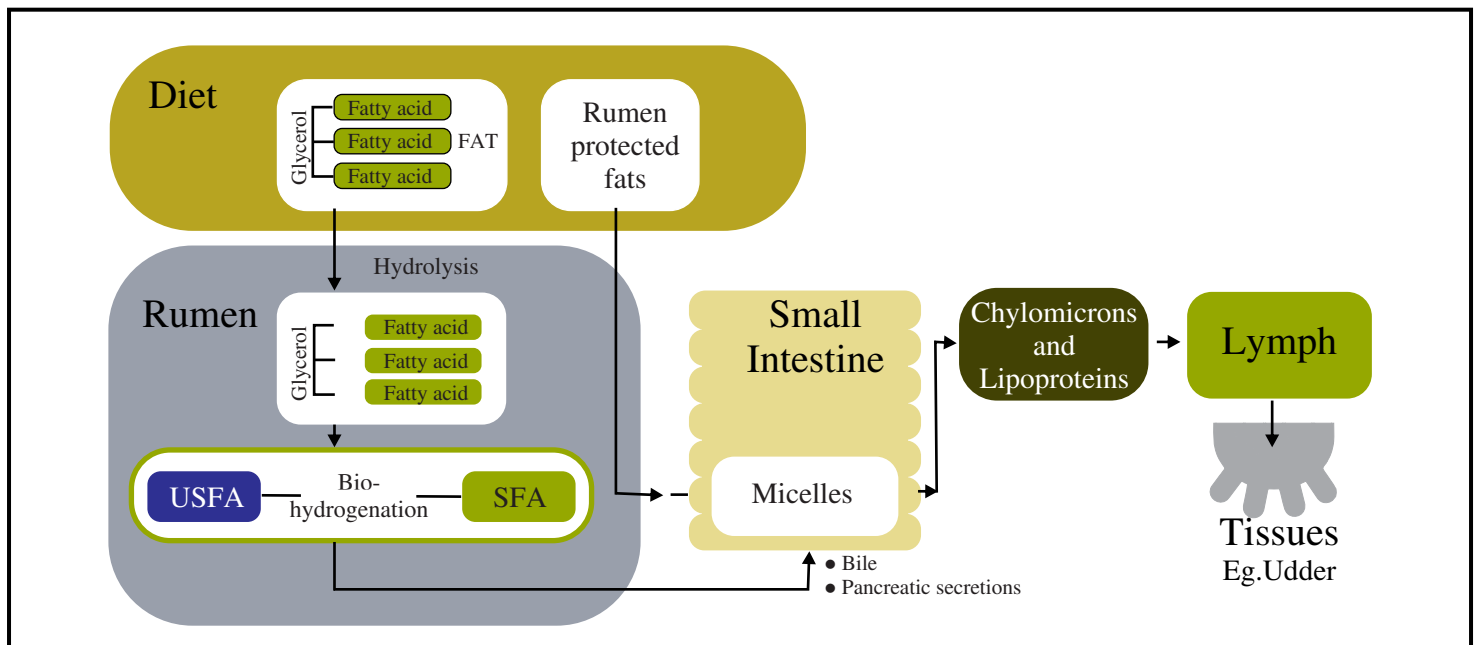
Lactopid has been manufactured by using a unique blend of technologies which ensures > 95% digestibility and absorption, and also supplies the essential omega-3 fatty acids to the animal.

Encapsulation of fatty acid prevents oxidation, hydrolysis, rumen degradation and enables you to deliver them to the intestine for absorption.

Improves palatability and availability.



Major processes involved in digestion of fat, in ruminants.



Lactopid a Blend of Technologies:

- Nano sized particles of PUFA. (Poly Unsaturated Fatty Acids)
- Colloidal solution.
- Nano sized particles of USFA, embedded in the matrices of amino acids.
- Encapsulation with FDA approved biopolymer.



Content:

Each Litre contains NMPS PUFA 160 gms
Nanometre droplets of Linseed oil.



Properties:

Average particle size – 300 to 550 nm
pH – 2-3



Specifications of Linseed oil:

Free Fatty Acids	: < 2%
Peroxide Value	: < 5 meq
Iodine Value	: 170 to 190
Gross Energy	: < 8840 Kcal/Ltr

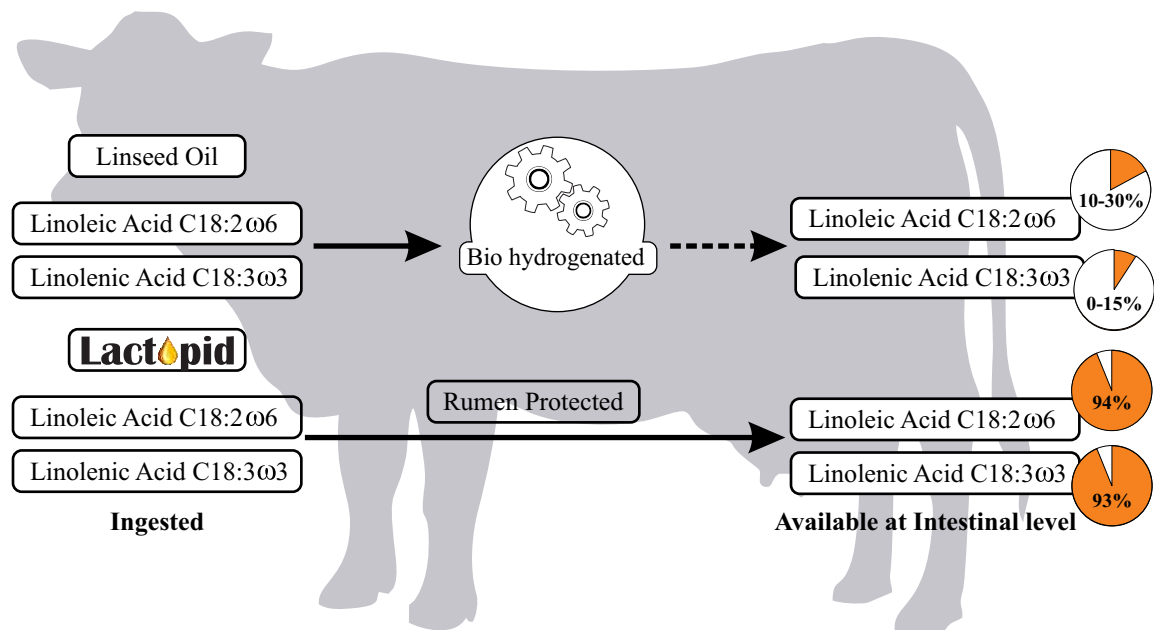


Typical Fatty Acid Profile of Linseed oil:

C 16:0 Palmitic acid	< 05.5%
C 18:0 Stearic acid	< 03.9%
C 18:1 Oleic acid (Omega 9)	< 16.2%
C 18:2 Linoleic acid (Omega 6)	< 15.2%
C 18:3 Linolenic acid (Omega 3)	< 59.1%



Lactopid a source of rumen protected essential fatty acids.



The PUFA Omega 3 fatty acids are important for the health and fertility of dairy cattle.



Product Highlights:

A highly Bio assimilable organic product, as it contains Nano Sized Droplets of Poly Unsaturated Fatty Acids from Linseed (Flaxseed) source.

Lactopid is a concentrated source of omega 3 fatty acids from Linseed oil.

Lactopid contains Poly Unsaturated Fatty Acids from Linseed (Flaxseed) oil source.

It is Rumen protected and does not interfere with normal rumen function. Ensures a higher percentage of rumen bypass of USFA.

A high percentage of Bio assimilable unsaturated fatty acids has a positive effect on fertility.



Benefits:

- Omega 3 fatty acids in **Lactopid** enhance conception rates and overall reproductive performance.
- **Lactopid** improves health of ovarian follicles and improves embryo quality.
- Improves milk quality (Fatty acid profile), fat content and milk yield.
- **Lactopid** helps reduce Negative Energy Balance – maintains body condition score.
- Omega 3 fatty acids in **Lactopid** also help the immune system to fight infection.
- Encourages retention of fat soluble Vitamins.
- **Lactopid** enhances better weight gain in growing young animals.



Usage:

1-2 Ltr per Metric Tonne of feed. (Mix small quantities of **Lactopid** with any ingredient before adding to the main mixture, i.e. need to make a premix before mixing in feed.)

Cattle: 5 - 10 ml per animal per day.

Calf, Sheep & Goats: 3 – 5 ml per animal per day.

Store in cool, dry & dark place.

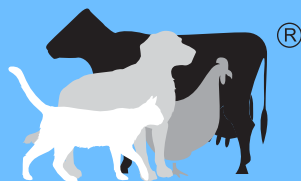
Not for Human use.

Not for Medicinal use – for use in Animals only.

For Growth, Maintenance, Productivity and Performance.

Feed Supplement for Prophylactic use in Animals only.

Shake well before use.



Marketed By :

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