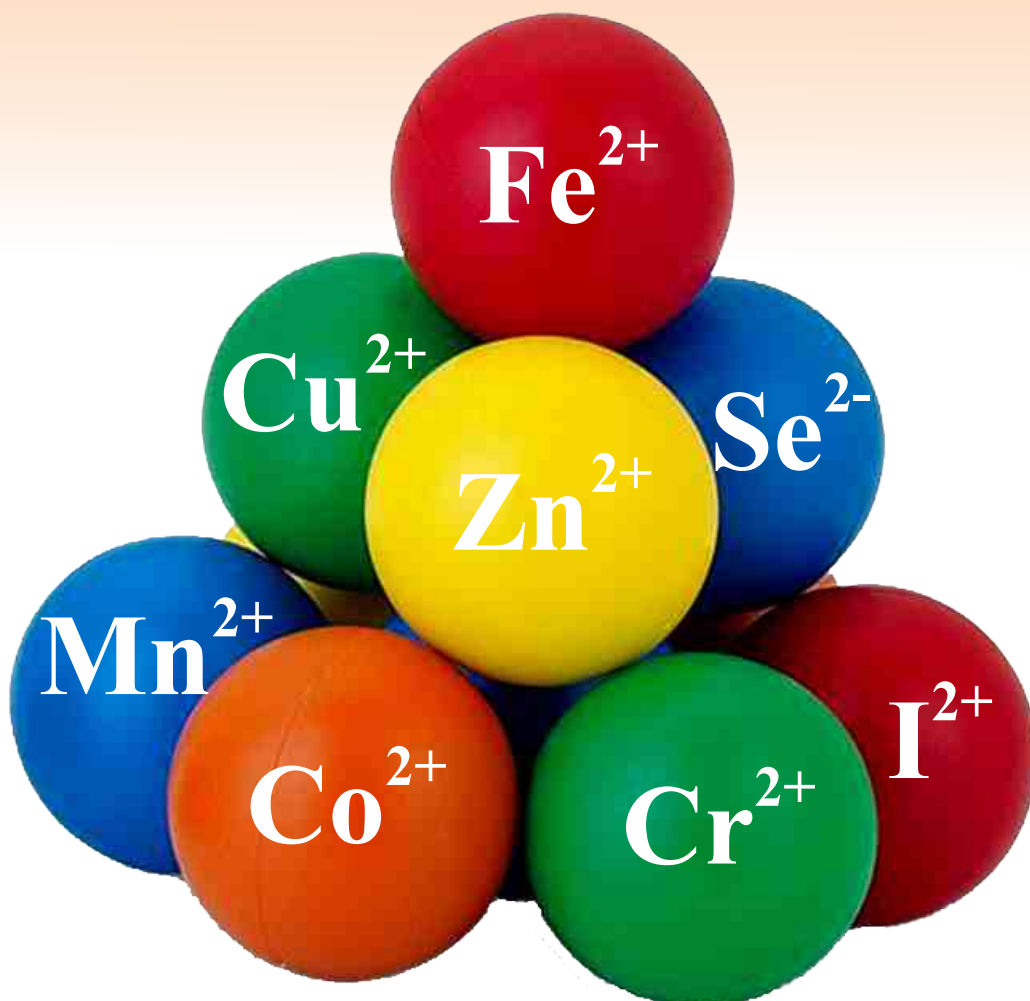


Roots®

NESSTMIN

Nano Essential Trace Minerals

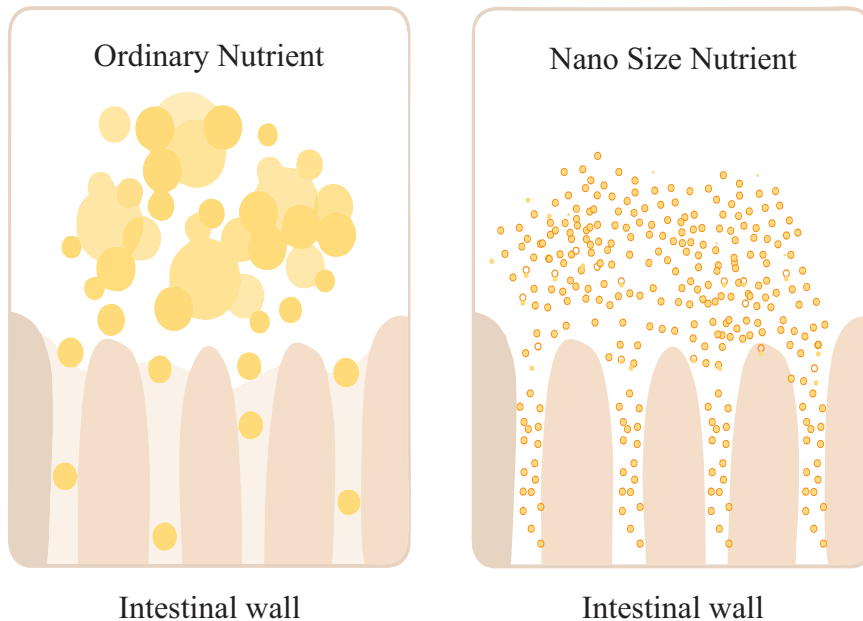


Nesstmin a Blend of Technologies:

- Nano sized ionized particles of Trace Minerals.
- Colloidal solution.
- Nano sized particles of Trace Minerals embedded in the matrices of amino acids.
- Encapsulation with FDA approved biopolymer.

Advantages of our Nano[★] metre Particle Size products

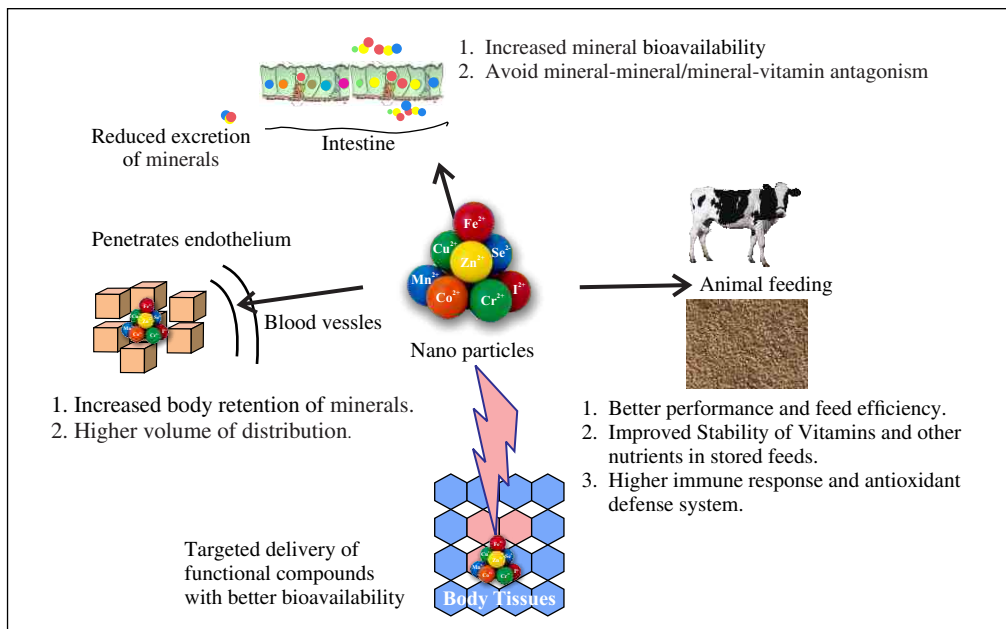
Surface Area – Smaller is Bigger - As the particle size reduces the surface area increases - Absorption increases.



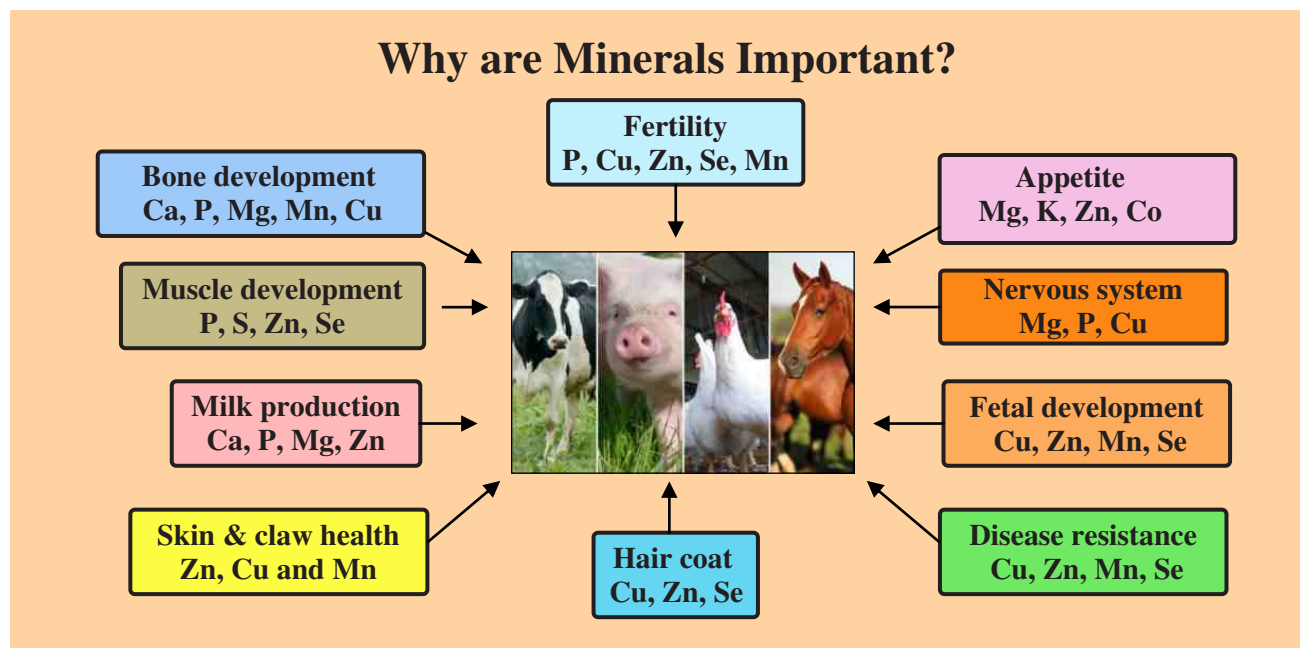
★ Nano means very very small. One Nanometre is one billionth of a metre, i.e. 10^{-9} m

Nesstmin ensures near 100% bioavailability of the trace minerals which are embedded in amino acids. Nesstmin ensures better health and improved performance.

The Bio availability of Nano Minerals is higher than any other conventional mineral source.



Trace Minerals are a must for every animal to maintain fertility, health and immunity.



Nesstmin contains Nano sized particles, which are embedded in amino acids and encapsulated by a biopolymer. It is easily absorbed. The near 100% bioavailability of the trace minerals, ensures better health and improved performance.

Contents: Each Litre contains NMPS

Minerals	gm/L
Copper	0.480
Zinc	2.400
Iron	2.400
Cobalt	0.320
Iodine	0.160
Manganese	0.800
Chromium	0.012
Selenium	0.012

Properties:

Average particle size – 250 to 350 nm
pH – 2-3

The particle size of less than 300 nm can reach the bloodstream, while those that are smaller than 100 nm are absorbed into various tissues and organs. (Hett, 2004)

Product Highlights:

100% Pure elemental organic minerals.
Minerals in Ionized form.

Encapsulation prevents any interaction with other metals or minerals.

Encapsulation also prevents any interaction with any other antinutrients like phytate and oxalate molecules.

Amino acid provides ligands for active absorption.

Benefits:

Reproductive performance and Fertility.
Prevents lameness and improves Hoof integrity.
Better Udder health.
Improves immunity.
Soft and Shiny hair coat.
Stress resistance of Cow and Calves.
Reduces anemic stress.

Usage:

1-2 Ltr per Metric Tonne of feed.

(Mix small quantities of Nesstmin 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.

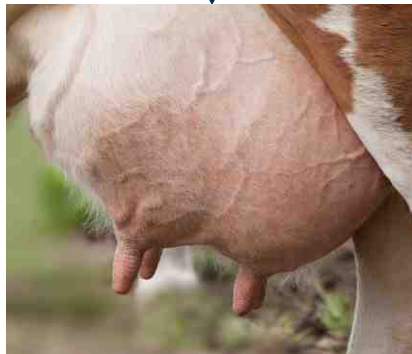
Sheep & Goats: 3 – 5 ml per animal per day.

Nesstmin ensures optimum Trace mineral supply



Fertility

Less open days = more milk



Udder health

Reduced Somatic cell count = Nutritious & more milk



Stress resistance

Healthy Cow = Healthy Calf



Improved farmer profit

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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