



## PRODUCT INFORMATION SHEET

# ProPath® Mn

A nutritional feed ingredient for animal feed. When used as a commercial feed ingredient, it must be declared as manganese amino acid complex. Association of American Feed Control Officials (AAFCO) No. 57.150. This product is OMRI listed for use in certified organic operations. Canada Reg. No. 991296.



## TYPICAL ANALYSIS

<b>MINERALS</b>	Manganese	15.0%
<b>PROXIMATES</b>	Moisture	1.5 - 2.5%
	Ash	33.0%
	Crude Protein	36.0%
<b>AMINO ACIDS</b>	Glutamic Acid	22.7%
	Lysine	20.2%

## PHYSICAL CHARACTERISTICS

<b>Color</b>	Tan-brown
<b>Texture</b>	Granular
<b>Particle Characteristics</b>	Free flowing, slightly hygroscopic
<b>Density</b>	41 - 46 lb/ft <sup>3</sup> / 660 - 740 kg/m <sup>3</sup>
<b>Solubility</b>	Active product is water soluble
<b>Particle Size</b>	150 µm < 85% < 355 µm
<b>Package Type</b>	Multiwall bag
<b>Package Weight</b>	55.1 lb / 25 kg

## SAFE HANDLING & STORAGE

When correctly used, there is no toxicity hazard in the use of ProPath® Mn. Refer to the SDS for more detail. Store in a clean and dry environment. Follow label directions and rotate inventory to ensure fresh product.

**Shelf Life: 5 years after the date of manufacture.**

## FEEDING INSTRUCTIONS

		g/hd/d	g/US Ton	g/MT	PPM (mineral)*
<b>DAIRY CATTLE</b>	All				20
<b>BEEF CATTLE</b>	Creep Feed		225	240	
	Weaned Calves				20
	Cows and Bulls	1.34			
	Feedlot Receiving				20
	Feedlot Finishing				20
<b>SHEEP</b>	All	0.14			
<b>GOATS</b>	All	0.2			
<b>HORSES</b>	All	2.7	610	670	
<b>SWINE</b>	Nursery		125	150	
	Grow/Finish		125	150	
	Sows and Boars		125	150	
<b>POULTRY</b>	All		250	275	
<b>AQUACULTURE</b>	Salmonids and Marine Fish		181	200	
	Tilapia and Freshwater Fish		181	200	
	Shrimp		242	267	
<b>COMPANION</b>	Canine		150	175	
	Feline		90	100	
<b>SPECIALTY</b>	Deer	1.34			
	Elk	1.34			
	Llamas	0.4			

\* PPM of mineral provided in the complete diet.

**BEEF CATTLE:** Creep feed recommendation based on daily intake of 1% body weight.

**HORSES:** All recommendations based on a mature horse of 500 kg body weight consuming 4 kg of complete feed.