



## PRODUCT INFORMATION SHEET

# ProPath® LQ Mn 160

A nutritional feed ingredient for animal feed. When used as a commercial feed ingredient, it must be declared as manganese chelate of lysine and glutamic. Commission Regulation (EU) No. 2021/1425.



## TYPICAL ANALYSIS

<b>MINERALS</b>	Manganese (3b509)	16.0%
<b>AMINO ACIDS</b>	Glutamic Acid	22 - 24%
	Lysine	20 - 21.5%

## PHYSICAL CHARACTERISTICS

<b>Color</b>	White
<b>Form</b>	Powder
<b>Particle Characteristics</b>	Free flowing, hygroscopic
<b>Density</b>	630 - 670 kg/m <sup>3</sup>
<b>Solubility</b>	The product is water soluble
<b>Package Type</b>	Multiwall bag
<b>Package Weight</b>	25 kg

## SAFE HANDLING & STORAGE

When correctly used, there is no toxicity hazard in the use of ProPath® LQ Mn 160. 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: 3 years after the date of manufacture**

## FEEDING INSTRUCTIONS

		g/hd/d	g/MT	PPM (mineral)*
<b>DAIRY CATTLE</b>	Calves			60
	Growing Heifers			20
	Non-Lactating Cows			20
	Lactating Cows			20
<b>BEEF CATTLE</b>	Creep Feed		225	
	Weaned Calves			20
	Cows and Bulls	1.25		
	Feedlot Receiving			20
	Feedlot Finishing			20
<b>SHEEP</b>	All	0.13		
<b>GOATS</b>	All	0.19		
<b>HORSES</b>	All	2.5	625	
<b>SWINE</b>	All	Consult your Zinpro Representative		
<b>POULTRY</b>	All		250	
<b>AQUACULTURE</b>	Salmonids and Marine Fish		188	
	Tilapia and Freshwater Fish		188	
	Shrimp		250	
<b>COMPANION</b>	Canine		150	
	Feline		100	
<b>SPECIALTY</b>	Deer	0.63		
	Elk	1.25		
	Llamas	0.38		

\* PPM of mineral provided in the complete diet.

DAIRY CALVES: Recommendation is for use in complete milk replacer.

BEEF CATTLE: Creep feed recommendation based on daily intake of 1% body weight. HORSES: All recommendations based on a mature horse of 500 kg BW consuming 4 kg of complete feed.