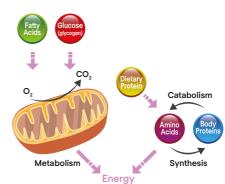
#### It improves:

- Oxygen metabolism for optimised beta-oxidation of fatty acids and energy production.
- Sparing of amino acids and carbohydrates during exercise, to allow better recovery between bouts of exercise.



### THE BENEFIT OF HIGH FAT IN THE DIET OF HIGHLY ACTIVE DOGS

Successfully improving the endurance capabilities of dogs is based on enhancing oxidation of fat for energy and sparing the use of more limited nutrient stores.

Studies undertaken by Nestlé PURINA® have demonstrated:

A 27% increase in maximal oxygen consumption and maximal fat oxidation when the diet of trained active dogs is changed from a low to a high fat content¹. Dogs fed high fat diets use their glycogen stores at only half the rate of dogs fed a high carbohydrate diet, and mobilise their fat stores twice as fast?

Adding carbohydrates to the diet has no real impact on performance levels in these dogs, but dietary carbohydrates can

help maintain dogs' glycogen stores, enabling repeated episodes of exercise and work on a long-term basis.

### THE BENEFIT OF PROTEIN IN THE DIET OF HIGHLY ACTIVE DOGS

Studies have shown that a diet containing a minimum of 24% of metabolisable energy from protein facilitates<sup>3</sup>:

 Optimal maximal oxygen consumption values (VO<sub>2</sub> max) to be maintained during training. A reduction in the incidence of soft tissues injuries. CANINE FERINARY DIETS & ATED PRODUCTS

CANINE EXPERT CARE NUTRITION

EXPERT CAR

CANINE AAINTENANCE NUTRITION

**APPENDIX** 

 $<sup>1. \ \</sup> Reynolds\ et\ al.\ (1995)\ Effect\ of\ diet\ and\ training\ in\ on\ muscle\ glycogen\ storage\ and\ utilisation\ in\ sled\ dogs.\ \textit{J.\ Applied\ Physiol.}\ \textbf{79:}\ 1601-1607.$ 

<sup>2.</sup> Reynolds et al. (1994) Lipid Metabolite Responses to Diet and Training in Sled Dogs J. Nut., 124: 2754S-2759S.

Reynolds et al. (1999) Effect of protein intake during training on biochemical and performance variables in sled dogs. Am J Vet Res. 60 (7):789-95.

APPENDIX

# ALL SIZE ADULT PERFORMANCE

Complete pet food for all sizes of active adult dogs. Also suitable for gestating / lactating bitches.

Supports endurance and aids rapid muscle recovery

- ✓ Endurance exercise
- ✓ Intense physical activity
- ✓ Gestation and lactation





BENEFITS

COMPOSITION KEY NUTRIENTS \*

Increased endurance for highly active and working dogs thanks to high protein and fat levels



Formulated to aid rapid muscle recovery



A combination of key nutrients that helps to support healthy joints for your dog's active lifestyle

Omega-3 fatty acids and high protein levels help to support healthy joints

14 kg

### COMPOSITION

High quality chicken (including back and chest) (21%), dried poultry protein, wheat, animal fats, rice (8%), soya meal, corn protein meal, digest, dried beet pulp, corn, minerals, fish oil, dried egg.

	KEYI	NUTRIENT VALUES*		
Moisture	8.0%	Phosphorus	1.03%	
Protein	31.0%	Vitamin A	21065 IU/kg	
Fat - Omega-6 fatty acids - Omega-3 fatty acids	21.0% 2.5% 0.4%	Vitamin D <sub>3</sub>	1185 IU/kg	
		Vitamin E	475 IU/kg	
		Vitamin C	70 mg/kg	
Carbohydrate	30.5%	Taurine 1047 mg/kg		
Crude fibre	2.0%	Metabolisable	415kcal/100g	
Calcium	1.59%	energy (ME) <sup>1</sup>		

<sup>\*</sup> Typical analysis in the final product as fed. <sup>1</sup> Calculated following NRC 2006 equations.

## DAILY FEEDING QUANTITY (g/day)

ADULT MAINTENANCE			BASED ON PREGNANCY STAGE			
Body	Body weight (kg) Active (1-3 h/day)	Highly active (3-6 h/day)	Intensely active (more than 6 h/day)	Mother Body Weight (kg)	Gestation	Lactation
					6 – 9 weeks	
1	40	45	55	1	35 – 45	Ad libitum
10	180	205	260	10	170 – 220	
25	330	375	485	25	320 – 405	
35	415	475	605	35	400 – 510	
45	490	560	715	45	470 – 600	
70	660	750	965	70	635 – 810	

FEEDING GUIDELINES