



## VRFI (P)

### DESCRIPTION

GLP Certificated rat and mouse breeding diet. Also suitable for maintenance.

Contains elevated levels of certain heat labile vitamins which make it suitable for autoclaving and for animals with high vitamin requirements (i.e. SPF / Germ free).

The diet is coated with inert silicon dioxide to reduce the potential for clumping during autoclaving.

Designed to be fed ad-libitum with fresh water.

### STORAGE

Ideally under 20°C in a cool dry place

### SHELF LIFE

9 months

### AVAILABLE AS

Name	Packaging	Product Code
VRFI (P)	20.0kg Poly Woven	801900

### INGREDIENTS

(Listed in descending order of inclusion):

Wheat, Dehulled Extracted Toasted Soya, Wheatfeed, Barley, Dehulled Cooked Soya, Soya Oil, Calcium Carbonate, Dicalcium Phosphate, Salt (NaCl), Silicon Dioxide, DL-Methionine, Choline Chloride, Ferrous Sulphate, Inositol, Magnesium Oxide, Zinc Oxide, L-Lysine, Manganese Oxide, Vitamin E (Tocopherol) Supplement, Vitamin B12 (Cyanocobalamin) Supplement, Vitamin B1 (Thiamine), Nicotinic Acid, Vitamin A (Retinol) Supplement, Copper Sulphate, Calcium-D-Pantothenate, Vitamin B6 (Pyridoxine), Vitamin K3 (Menadione), Selenium 1% Supplement, Vitamin B2 (Riboflavin), Biotin-Supplement, Folic Acid, Calcium Iodate, Vitamin D3 (Cholecalciferol) Supplement.

### Contact SDS for further details

Tel: +44 (0) 1376 511 260

Fax: +44 (0) 1376 511 247

e-mail: [info@sdsdiets.com](mailto:info@sdsdiets.com)

## Calculated Analysis

NUTRIENTS		Total	Supp**	NUTRIENTS		Total	Supp**
<b>Proximate</b>				<b>Minerals and Trace Elements</b>			
Moisture	%	10.00		Ca	%	1.01	0.73
Crude Oil	%	4.75		Total P	%	0.64	0.19
Crude Protein	%	19.11		Phytate P	%	0.24	
Crude Fibre	%	3.85		Available P	%	0.40	0.19
Ash	%	6.97		Na	%	0.32	0.27
NFE	%	55.32		Cl	%	0.49	0.43
<b>Carbohydrate, Fibre and Non Starch Polysaccharides (NSP)</b>				K	%	0.88	
Pectin	%	1.37		Mg	%	0.20	0.01
Hemicellulose	%	8.76		Fe	mg/kg	280	180
Cellulose	%	3.95		Cu	mg/kg	22	12
Lignin	%	1.06		Mn	mg/kg	145	99
Starch	%	35.41		Zn	mg/kg	178	144
Sucrose	%	4.64		Co	µg/kg	67	
<b>Energy</b>				I	µg/kg	2275	2154
Gross Energy	MJ/kg	16.26		Se	µg/kg	310	150
Metabolisable Energy	MJ/kg	12.23		<b>Vitamins</b>			
Atwater Fuel Energy*	kcal/g	3.40		VIT A	IU/kg	31151	29955
<b>Amino Acids</b>				VIT D3	IU/kg	1527	1500
Arginine	%	1.26		VIT E	IU/kg	96	80
Lysine	%	1.02	0.10	VIT B1 Thiamine	mg/kg	336	331
Methionine	%	0.43	0.15	VIT B2 Riboflavin	mg/kg	14	12
Cystine	%	0.35		VIT B6 Pyridoxine	mg/kg	48	45
Tryptophan	%	0.25		VIT B12 Cyanocobalamine	µg/kg	153	150
Histidine	%	0.48		VIT K Menadione	mg/kg	10	10
Threonine	%	0.71		Folic Acid	mg/kg	11	10
Isoleucine		0.83		Nicotinic Acid	mg/kg	129	78
Leucine	%	1.34		Pantothenic Acid	mg/kg	41	27
Phenylalanine	%	0.96		Choline	mg/kg	1337	300
Valine	%	0.93		Inositol	mg/kg	2297	245
Tyrosine	%	0.61		Biotin	µg/kg	543	280
Glycine	%	0.81					
Aspartic acid	%	1.70					
Glutamic acid	%	3.96					
Proline		1.33					
Serine	%	0.97					
Alanine	%	0.80					
<b>Fatty Acids</b>							
<b>Saturated Fatty Acids</b>							
C12:0 Lauric	%	0.02					
C14:0 Myristic	%	0.06					
C16:0 Palmitic	%	0.54					
C18:0 Stearic	%	0.13					
<b>Mono-unsaturated Fatty Acids</b>							
C14:1 Myristoleic	%	0.00					
C16:1 Palmitoleic	%	0.01					
C18:1 ω9 Oleic	%	1.06					
<b>Polyunsaturated Fatty Acids</b>							
C18:2 ω6 Linoleic	%	2.27					
C18:3 ω3 Linolenic	%	0.28					
C20:4 ω6 Arachidonic	%	0.11					
C22:5 ω3 Clupanodonic	%	0.00					

\* ATWATER FUEL ENERGY (kcal/g) = [(Crude Oil% × 9) + (Crude Protein% × 4) + (NFE% × 4)]/100 (1 MJ=239.23 kcal)

\*\* SUPP = Supplemented sources of amino acids, vitamins and minerals from manufactured and mined sources.

Calculated figures are intended as a guide and are subject to the natural variation of raw materials.

For actual data we recommend that analysis work is carried out to confirm the nutrient parameters precisely.

GH3 (E) DATA SHEET 805180 805182 815180