



**Indications:**

- Hepatic insufficiency
- Hepatic disease
- Hepatic encephalopathy
- Portosystemic shunts
- Disorders of copper metabolism

**Contraindications:**

- Growth
- Pregnancy, lactation

**Nutritional Differences:**



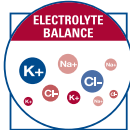
**Copper Control:**

Low copper and increased zinc content minimize both copper accumulation in the hepatocytes and intracellular lesions caused by cholestasis



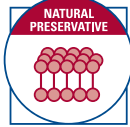
**Vegetable Protein:**

Contains highly digestible vegetable protein, which is better tolerated in dogs with hepatic encephalopathy



**Electrolyte Balance:**

Limited sodium intake decreases portal hypertension and reduces extravascular water flow



**Natural Preservative:**

Naturally preserved to ensure freshness and quality

**Additional Differences:**

- High energy density from non-protein sources
- Highly digestible complex carbohydrates
- Elevated levels of dietary fiber from both soluble and insoluble fibers
- Enhanced levels of B vitamins
- Enriched with antioxidants to help maintain a healthy immune system and to reduce DNA damage associated with aging
- Enriched with long chain omega-3 fatty acids, eicosapentaenoic acid and docosahexaenoic acid (EPA and DHA), to help modulate inflammatory reactions

**Feeding Recommendations for Canine Adult Maintenance:**

Body Weight		Suggested Caloric Intake	Daily Feeding	
lb	kg		Grams per day	Cups per day
5	2.3	240	61	3/4
10	4.5	398	102	1 1/4
20	9.1	660	169	2
30	13.6	888	227	2 3/4
40	18.1	1095	280	3 1/3
50	22.7	1289	330	4
60	27.2	1472	377	4 1/2
70	31.8	1648	422	5
80	36.3	1816	465	5 2/3
90	40.8	1979	506	6

Body Weight		Suggested Caloric Intake	Daily Feeding	
lb	kg		Grams per day	Cups per day
(continued)				
100	45.4	2138	547	6 2/3
110	49.9	2292	586	7
120	54.4	2442	625	7 1/2
130	59.0	2589	662	8
140	63.5	2733	699	8 1/2
150	68.0	2874	735	8 3/4
160	72.6	3013	771	9 1/3
170	77.1	3149	806	9 3/4
180	81.6	3283	840	10 1/4

**Typical Analysis:**

Nutrient	Unit	Dry per 1000 Kcal
Protein	g	39.7
Fat	g	39.7
Crude Fiber	g	6.7
Total Dietary Fiber	g	20.5
Carbohydrate	g	131.5
Calcium	g	1.8
Phosphorus	g	1.3
Sodium	g	0.4
Chloride	g	1.5
Potassium	g	2.1
Magnesium	g	0.1
Iron	mg	54.2
Copper	mg	0.9
Manganese	mg	17.7
Zinc	mg	61.2
Iodine	mg	1.1
Selenium	mg	0.07
Vitamin A	IU	4862
Vitamin D3	IU	256
Vitamin E	IU	128
Vitamin C	mg	51.2
Thiamine (B1)	mg	2.5
Riboflavin (B2)	mg	1.4
Pantothenic Acid	mg	8.7
Niacin	mg	4.3
Pyridoxine (B6)	mg	3.3
Folic Acid	mg	0.3
Biotin	mg	0.3
Cobalamin (B12)	mg	0.02
Choline	mg	512
Omega-6 Fatty Acid	g	9.52
Omega-3 Fatty Acid	g	.054
EPA	g	0.38
DHA	g	0.16
Linoleic Acid	g	9.1
Arachidonic Acid	g	0.2
Taurine	g	0.5
Arginine	g	3.1
Histidine	g	1.0
Isoleucine	g	1.8
Leucine	g	3.2
Lysine	g	2.2
Methionine	g	2.0
Phenylalanine	g	1.9
Tyrosine	g	1.8
Threonine	g	1.5
Tryptophan	g	0.6
Valine	g	2.1



Available in a 6 lb and 17.5 lb bag.

Guaranteed Analysis:		Dry
Protein	% Min	14.0
Fat	% Min	14.0
Fiber	% Max	4.6
Moisture	% Max	10.0

Metabolizable Energy:		Dry
Kcal per kg diet		3908
Grams per 8 oz cup		83
Kcal per cup		324
% ME Protein		15.2
% ME Fat		34.3
% ME Carbohydrate		50.5

**Ingredients:**

**ROYAL CANIN Veterinary Diet® canine HEPATIC LS™ 14 dry**

Rice, chicken fat, soy protein isolate, ground corn, natural flavors, dried beet pulp, powdered cellulose, sodium silico aluminate, calcium carbonate, monocalcium phosphate, potassium chloride, vegetable oil, fish oil, DL-methionine, fructooligosaccharides, taurine, choline chloride, L-lysine, Trace Minerals [zinc proteinate, ferrous sulfate, manganous oxide, calcium iodate, sodium selenite], marigold extract (*Tagetes erecta* L.), Vitamins [DL-alpha tocopherol acetate (source of vitamin E), L-ascorbyl-2-polyphosphate (source of vitamin C), biotin, D-calcium pantothenate, vitamin A acetate, niacin supplement, pyridoxine hydrochloride (vitamin B6), thiamine mononitrate (vitamin B1), riboflavin supplement (vitamin B2), menadione sodium bisulfite complex (source of vitamin K), folic acid, vitamin B12 supplement, vitamin D3 supplement], L-carnitine, rosemary extract, preserved with natural mixed tocopherols and citric acid.

**Nutrition Statement:**

Canine HEPATIC LS™ 14 dry diet is intended for intermittent or supplemental feeding only as part of a veterinary-supervised program.