**Emeraid Intensive Care HDN** Feline or “Highly Digestible Nutrition” is a semi-elemental therapeutic diet developed by veterinarians and nutritionists for the critically ill feline. Emeraid Intensive Care HDN Feline provides easily absorbable and highly digestible amino acids, hydrolyzed proteins, fats and appropriate low levels of carbohydrates.

**Available in 100 g, 400 g and 2 kg pouches**

**Indications:** Use Emeraid Intensive Care HDN Feline for nutritional support during:
- Critical illness
- Post-operative period in debilitated patients
- Malabsorption/maldigestion
- Poor weight gain
- Cachexia
- Inappetance
- Hepatic lipodisosis
- Acute kidney disease
- Infectious disease
- Autoimmune disease
- Peritonitis
- Anemia
- Convalescence

**Contraindications:**
- Chronic Kidney disease if fed longer than 60 days
- Hepatic encephalopathy

**Features & Benefits:**
- High energy (2.41-1.13 kcal/ml ME) means smaller volumes per patient
- One month shelf life after opening
- Excellent for tube feeding or syringe feeding (not recommended for CRI pumps)
- Goes through tubes as small as 5 Fr without clogging
- Species-specific nutritional formulation: Appropriate low levels of carbohydrates and high levels of protein for the true carnivore plus fiber to maintain intestinal motility and commensal microflora
- Higher fiber plus highly digestible soy protein means the incidence of diarrhea is lower than with other critical care formulas
- High quality, easily digestible protein promotes lean body mass and wound healing
- L-tryptophan, a precursor for the synthesis of serotonin, to reduce stress
- Glutamine and arginine support immunity and antioxidant systems
- University formulated; meets AAFCO requirements for adult maintenance

**Standard Mixing Directions:**

<table>
<thead>
<tr>
<th>Feeding Style</th>
<th>Emeraid Powder (parts)</th>
<th>Water* (parts)</th>
<th>ME (kcal/ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syringe</td>
<td>3</td>
<td>2</td>
<td>2.41</td>
</tr>
<tr>
<td>Tube (10Fr or larger)</td>
<td>1.5</td>
<td>2</td>
<td>1.65</td>
</tr>
<tr>
<td>Tube (5Fr-8Fr)</td>
<td>1</td>
<td>2</td>
<td>1.13</td>
</tr>
</tbody>
</table>

*Mix with very warm water measuring 103° to 105°F (39° to 40.5°C).

**Nutrient Content:**

- Caloric Content (ME)*: 2.41 kcal/ml
- Dry Matter (ME): 4646 kcal/kg
- Crude Protein: 40.56%
- Crude Fat: 29.00%
- Crude Fiber: 3.59%
- Ca: 0.92%
- P: 0.90%
- K: 0.60%
- Na: 0.41%
- Cl: 0.62%
- Mg: 0.06%

a) When made as a 3:2 part ratio

**Ingredients:** HYDROLYZED SOY PROTEIN, CORN OIL, DEHYDRATED CASEIN, CORN STARCH, CANOLA OIL, DEHYDRATED WHOLE CHICKEN EGG, COOKED CHICKEN, GLUCOSE SYRUP SOLIDS, DEHYDRATED CHICKEN LIVER, DEFATTED WHEAT GERM, CELLULOSE, DICALCUM PHOSPHATE, GLUTAMINE, POTASSIUM CHLORIDE, GROUND LIMESTONE, GLUTAMIC ACID, TAURINE (AN ESSENTIAL AMINO ACID), DL-METHIONINE (AN ESSENTIAL AMINO ACID), CHOLINE CHLORIDE, L-THREONINE (AN ESSENTIAL AMINO ACID), CITRIC ACID (A NATURAL PRESERVATIVE), MIXED TOCOPHEROLS (A NATURAL PRESERVATIVE), L-LYSINE (AN ESSENTIAL AMINO ACID), L-CARNITINE, L-TRYPTOPHAN (AN ESSENTIAL AMINO ACID), MAGNESIUM SULFATE, COPPER-LYSINE, CYSTEINE, VITAMIN E SUPPLEMENT, ASCORBIC ACID, NIACIN SUPPLEMENT, ZINC OXIDE, CAROTENE, D-CALCIUM PANTOTHENATE, BIOTIN, RIBOFLAVIN SUPPLEMENT, POTASSIUM SELENITE, MENADIONE SODIUM BISULFITE COMPLEX(SOURCE OF VITAMIN K ACTIVITY), PYRIDOXINE HYDROCHLORIDE, VITAMIN A SUPPLEMENT, THIAMINE MONONITRATE, VITAMIN B12 SUPPLEMENT, VITAMIN D3 SUPPLEMENT, FOLIC ACID, MANGANESE OXIDE.

For additional features and benefits, visit Emeraid.com
Emerald Sustain HDN Feline or “Highly Digestible Nutrition” is a semi-elemental therapeutic diet developed by veterinarians and nutritionists. Emerald Sustain HDN Feline is scientifically designed to support felines that are underweight, recovering from a critical illness, or suffering from chronic medical conditions.

**Indications:** Use Emerald Sustain HDN Feline for nutritional support during:
- Convalescence
- Pre- or post-operative period
- Failure to thrive or gain weight
- Cachexia
- Inappetance
- Neglect
- Hepatic lipidosis
- Acute kidney disease
- Severe parasitic infestations
- Infectious disease
- Autoimmune disease
- Anemia
- Peritonitis

**Contraindications:**
- Chronic Kidney disease if fed longer than 60 days
- Hepatic encephalopathy

**Features & Benefits:**
- High energy (2.54-1.53 kcal/ml ME) means smaller volumes per patient
- One month shelf life after opening
- Excellent for tube feeding or syringe feeding (not recommended for CRI pumps)
- Goes through tubes as small as 5 Fr without clogging
- Species-specific nutritional formulation: Appropriate low levels of carbohydrates and high levels of protein for the true carnivore plus fiber to maintain intestinal motility and commensal microflora
- More whole proteins than Emeraid Intensive Care HDN to stimulate gastrointestinal motility and prepare the cat’s return to normal food
- Essential amino acids to meet the needs of the metabolically stressed patient
- L-carnitine, branched chain amino acids and highly digestible proteins promote lean body mass
- Omega-3 fatty acids to modulate the inflammatory response
- Synergistic antioxidants vitamin E, vitamin C, zinc and taurine to defend against oxidative stress
- Glutamine and arginine support immunity and antioxidant systems
- L-tryptophan, a precursor for the synthesis of serotonin to reduce stress
- University formulated; meets AAFCO requirements for all life stages

For additional features and benefits, visit Emerald.com

**Standard Mixing Directions:**

<table>
<thead>
<tr>
<th>Feeding Style</th>
<th>Emerald Powder (parts)</th>
<th>Water* (parts)</th>
<th>ME (kcal/ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syringe</td>
<td>3.5</td>
<td>2</td>
<td>2.54</td>
</tr>
<tr>
<td>Tube (10Fr or larger)</td>
<td>2</td>
<td>2</td>
<td>1.84</td>
</tr>
<tr>
<td>Tube (5Fr-8Fr)</td>
<td>1.5</td>
<td>2</td>
<td>1.53</td>
</tr>
</tbody>
</table>

*Mix with very warm water measuring 103°F to 109°F (39°C to 45°C).

**Nutrient Content:**
- Caloric Content (ME)* ........................................ 2.54 kcal/ml
- Dry Matter (ME) .................................................. 5025 kcal/kg
- Crude Protein (min) ............................................. 42.10%
- Crude Fat (min) ................................................... 37.40%
- Crude Fiber (max) .................................................. 4.13%
- Ca ................................................................. 0.90%
- P ................................................................. 0.84%
- K ................................................................. 1.00%
- Na ................................................................. 0.33%
- Cl ................................................................. 0.87%
- Mg ................................................................. 0.06%

a) When made as 3.5:2 part ratio

**Ingredients:**
- COOKED CHICKEN, HYDROLYZED SOY PROTEIN, DEHYDRATED CHICKEN LIVER, CORN OIL, CANOLA OIL, DEHYDRATED CASEIN, DEHYDRATED WHOLE CHICKEN EGG, DEFATTED WHEAT GERM, GLUCOSE SYRUP SOLIDS, CELLULOSE, DICALCIUM PHOSPHATE, POTASSIUM CHLORIDE, INSULIN (AN ESSENTIAL AMINO ACID), TAURINE (AN ESSENTIAL AMINO ACID), GROUND LIMESTONE, DL-METHIONINE (AN ESSENTIAL AMINO ACID), CITRIC ACID (A NATURAL PRESERVATIVE), MIXED TOCOPHEROLS (A NATURAL PRESERVATIVE), CHOLINE CHLORIDE, L-LYSINE (AN ESSENTIAL AMINO ACID), COPPER-LYSINE, VITAMIN E SUPPLEMENT, L-CARNITINE, MAGNESIUM SULFATE, ASCORBIC ACID, NIACIN SUPPLEMENT, ZINC OXIDE, CAROTENE, D-CALCIUM PANTOTHENATE, BIOTIN, RIBOFLAVIN SUPPLEMENT, SODIUM SELENITE, MENADIONE SODIUM BISULFITE COMPLEX (SOURCE OF VITAMIN K ACTIVITY), MANGANESE OXIDE, PYRIDOXINE HYDROCHLORIDE, VITAMIN A SUPPLEMENT, THIAMINE MONONITRATE, VITAMIN B12 SUPPLEMENT, VITAMIN D3 SUPPLEMENT, FOLIC ACID.
Feeding frequency and volume should be adjusted based upon patient response and under the supervision of a veterinarian.

**Nutritional Content:**
- Crude Protein: 40.56%
- Crude Fat: 29.00%
- Calcium (Ca): 0.90%
- Phosphorus (P): 0.84%
- Chloride (Cl): 0.87%
- Potassium (K): 0.60%
- Magnesium (Mg): 0.06%
- Sodium (Na): 0.41%
- Iron (Fe): 0.22%

**Caloric Content (ME):**
- 2.54 kcal/ml

**As a 3.5:2 Part Ratio:**
- Weight: 51.1 kg
- Total kcal/day: 114
- Total ml/day: 4.5 ml

**For Kitten Feeding:***
- Weight: 1.1 kg
- Total kcal/day: 30.8
- Total ml/day: 1.5 ml

**Adult Cat Tube Feeding Recommendations:***
- RER = 70 x BW(kg) 0.75
- Mixing Table: 2.41 kcal/ml
- 32° to 35°C.

**Adult Cat Syringe Feeding Recommendations:***
- RER = 70 x BW(kg) 0.75
- Mixing Table: 2.54 kcal/ml
- 39° to 40.5°C.

**Sustained Care of Critically Ill Felines:**
- Balanced nutrition for critically ill felines
- Use in conjunction with appropriate supportive care
- Please consult with a veterinarian for specific recommendations

**For additional information, visit Emeraid.com**
Emeraid® Intensive Care™ HDN
Balanced nutrition for critically ill canines

Emeraid Intensive Care HDN Canine or “Highly Digestible Nutrition” is a semi-elemental therapeutic diet developed by veterinarians and nutritionists for the critically ill canine. Emeraid Intensive Care HDN Canine provides easily absorbable and highly digestible amino acids, hydrolyzed proteins, fats and simple carbohydrates.

Indications: Use Emeraid Intensive Care HDN Canine for nutritional support during:
- Critical illness
- Post-operative period in debilitated patients
- Malabsorption/maldigestion
- Poor weight gain
- Cachexia
- Inappetance
- Acute kidney disease
- Infectious disease
- Autoimmune disease
- Anemia
- Convalescence

Contraindications:
- Chronic kidney disease
- Hepatic encephalopathy

Features & Benefits:
- High energy (2.26-1.36 kcal/ml ME) means smaller volumes per patient
- One month shelf life after opening
- Excellent for tube feeding or syringe feeding (not recommended for CRI pumps)
- Goes through tubes as small as 5 Fr without clogging
- Species-specific nutritional formulation
- Higher fiber plus highly digestible soy protein means the incidence of diarrhea is lower than with other critical care formulas
- High quality, easily digestible protein promotes lean body mass and wound healing
- L-tryptophan, a precursor for the synthesis of serotonin, to reduce stress
- Glutamine and arginine support immunity and antioxidant systems
- University formulated; meets AAFCO requirements for adult maintenance

Nutrient Content:
- Caloric Content (ME) .......................... 2.26 kcal/ml
- Dry Matter (ME) ................................. 4173 kcal/kg
- Crude Protein .................................. 35.37%
- Crude Fat ........................................ 20.00%
- Crude Fiber ...................................... 4.16%
- Ca .............................................. 1.30%
- P .................................................. 0.93%
- K .................................................. 0.60%
- Na .............................................. 0.38%
- Cl .............................................. 0.61%
- Mg .............................................. 0.08%

Ingredients: HYDROLYZED SOY PROTEIN, GLUCOSE SYRUP SOLIDS, CORN OIL, CORN STARCH, DEHYDRATED CASEIN, CANOLA OIL, CELLULOSE, DEHYDRATED CHICKEN LIVER, DEFATTED WHEAT GERM, COOKED CHICKEN, DEHYDRATED WHOLE CHICKEN EGG, DICALCIUM PHOSPHATE, GROUND LIMESTONE, GLUTAMINE, POTASSIUM CHLORIDE, GLUTAMIC ACID, CHOLINE CHLORIDE, TAURINE (AN ESSENTIAL AMINO ACID), CITRIC ACID (A NATURAL PRESERVATIVE), MAGNESIUM SULFATE, MIXED TOCOPHEROLS (A NATURAL PRESERVATIVE), L-LYSINE (AN ESSENTIAL AMINO ACID), CYSTEINE (A SEMI-ESSENTIAL AMINO ACID), L-THREONINE (AN ESSENTIAL AMINO ACID), L-TRYPTOPHAN (AN ESSENTIAL AMINO ACID), DL-METHIONINE (AN ESSENTIAL AMINO ACID), COPPER-lysine, VITAMIN E SUPPLEMENT, ZINC OXIDE, ASCORBIC ACID, L-CARNITINE, NIAIN, CAROTENE, D-CALCIUM PANTOTHENATE, BIOTIN, MANGANESE OXIDE, RIBOFLAVIN SUPPLEMENT, SODIUM SELENITE, MENADIONE SODIUM BISULFITE COMPLEX (SOURCE OF VITAMIN K ACTIVITY), PYRIDOXINE HYDROCHLORIDE, VITAMIN A SUPPLEMENT, THIAMINE MONONITRATE, VITAMIN B12 SUPPLEMENT, VITAMIN D3 SUPPLEMENT, FOLIC ACID.

For additional features and benefits, visit Emeraid.com

Standard Mixing Directions:

<table>
<thead>
<tr>
<th>Feeding Style</th>
<th>Emeraid Powder (parts)</th>
<th>Water* (parts)</th>
<th>ME (kcal/ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syringe</td>
<td>3.5</td>
<td>2</td>
<td>2.26</td>
</tr>
<tr>
<td>Tube (10Fr or larger)</td>
<td>2</td>
<td>2</td>
<td>1.69</td>
</tr>
<tr>
<td>Tube (5Fr-8Fr)</td>
<td>1.5</td>
<td>2</td>
<td>1.36</td>
</tr>
</tbody>
</table>

*a) Mix with very warm water measuring 103°F to 109°F (39°C to 40.5°C).

Ingredients:
- Hydrolyzed soy protein
- Glucose syrup solids
- Corn oil
- Corn starch
- Dehydrated casein
- Canola oil
- Cellulose
- Dehydrated chicken liver
- Defatted wheat germ
- Cooked chicken
- Dehydrated whole chicken egg
- Dicalcium phosphate
- Ground limestone
- Glutamine
- Potassium chloride
- Glutamic acid
- Choline chloride
- Taurine
- Citric acid
- L-lysine
- L-threonine
- L-tryptophan
- Dl-methionine
- Copper-lysine
- Vitamin E supplement
- Zinc oxide
- Ascorbic acid
- L-carnitine
- Niacin
- Carotene
- D-calcium pantothenate
- Biotin
- Manganese oxide
- Riboflavin supplement
- Sodium selenite
- Menadione sodium bisulfite complex (source of vitamin K activity)
- Pyridoxine hydrochloride
- Vitamin A supplement
- Thiamine mononitrate
- Vitamin B12 supplement
- Vitamin D3 supplement
- Folic acid

For additional features and benefits, visit Emeraid.com

Available in 100 g, 400 g and 2 kg pouches

Manufactured by: Emeraid LLC, A Division of Lafeber 24981 N 1400 East Road, Cornell, IL 61319
1 (815) 358-2307 EmeraidInfo@Emeraid.com Emeraid.com

Made in the USA

USA HDN22REC123 0216
**Features & Benefits:**
- High energy (2.23-1.34 kcal/ml ME) means smaller volumes per patient
- One month shelf life after opening
- Excellent for tube feeding or syringe feeding (not recommended for CRI pumps)
- Goes through tubes as small as 5 Fr without clogging
- Species-specific nutritional formulation
- More whole proteins than Emeraid Intensive Care HDN to stimulate gastrointestinal motility and prepare the dog’s return to normal food
- Essential amino acids to meet the needs of the metabolically stressed patient
- L-carnitine, branched chain amino acids and highly digestible proteins promote lean body mass
- Omega-3 fatty acids to modulate the inflammatory response
- Synergistic antioxidants vitamin E, vitamin C, zinc and taurine to defend against oxidative stress
- Glutamine and arginine support immunity and antioxidant systems
- L-tryptophan, a precursor for the synthesis of serotonin to reduce stress
- University formulated; meets AAFCO requirements for all life stages

**Indications:**
- Convalescence
- Pre- or post-operative period
- Failure to thrive or gain weight
- Cachexia
- Inappetance
- Acute kidney disease
- Neglect
- Severe parasitic infestations
- Infectious disease
- Autoimmune disease
- Anemia
- Peritonitis
- Malabsorption/maldigestion

**Contraindications:**
- Chronic kidney disease
- Hepatic encephalopathy

**Nutrient Content:**
- Caloric Content (ME)\(^a\) ................. 2.23 kcal/ml
- Dry Matter (ME) .......................... 4414 kcal/kg
- Crude Protein ......................... 32.34%
- Crude Fat ................. 26.90%
- Crude Fiber ......................... 3.51%
- Ca ......................... 1.20%
- P ......................... 0.97%
- K ......................... 0.60%
- Na ......................... 0.23%
- Cl ......................... 0.51%
- Mg ......................... 0.12%

\(^a\) When made as a 3.5:2 part ratio

**Ingredients:**
COOKED CHICKEN, CORN STARCH, HYDROLYZED SOY PROTEIN, GROUND CORN, GLUCOSE SYRUP SOLIDS, DEHYDRATED WHOLE CHICKEN EGG, DEHYDRATED CHICKEN LIVER, DEHYDRATED CASEIN, CANOLA OIL, CORN OIL, DICALCIUM PHOSPHATE, DEFATTED WHEAT GERM, CELLULOSE, GROUND LIMESTONE, POTASSIUM CHLORIDE, DL-METHIONINE (AN ESSENTIAL AMINO ACID), MAGNESIUM SULFATE, CHOLINE CHLORIDE, CITRIC ACID (A NATURAL PRESERVATIVE), MIXED TOCOPHEROLS (A NATURAL PRESERVATIVE), TAURINE (AN ESSENTIAL AMINO ACID), L-LYSINE (AN ESSENTIAL AMINO ACID), L-CARNITINE, COPPER-LYSINE, ZINC OXIDE, MANGANESE OXIDE, VITAMIN E SUPPLEMENT, ASCORBIC ACID, NIACIN SUPPLEMENT, D-CALCIUM PANTOTHENATE, BIOTIN, RIBOFLAVIN SUPPLEMENT, SODIUM SELENITE, MENADIONE SODIUM BISULFITE COMPLEX (SOURCE OF VITAMIN K ACTIVITY), PYRIDOXINE HYDROCHLORIDE, VITAMIN A SUPPLEMENT, THIAMINE MONONITRATE, VITAMIN B12 SUPPLEMENT, VITAMIN D3 SUPPLEMENT, FOLIC ACID.

For additional features and benefits, visit Emeraid.com
For additional information, visit Emeraid.com

Nutrient Content:

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>Amount (g per kg)</th>
<th>Amount (g per liter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude Protein</td>
<td>35.37%</td>
<td>22.23 g</td>
</tr>
<tr>
<td>Crude Fat</td>
<td>26.9%</td>
<td>16.79 g</td>
</tr>
<tr>
<td>Crude Fiber</td>
<td>4.16%</td>
<td>2.61 g</td>
</tr>
<tr>
<td>Mg</td>
<td>0.08%</td>
<td>0.05 g</td>
</tr>
<tr>
<td>K</td>
<td>0.60%</td>
<td>0.37 g</td>
</tr>
<tr>
<td>Ca</td>
<td>1.30%</td>
<td>0.82 g</td>
</tr>
<tr>
<td>P</td>
<td>0.93%</td>
<td>0.58 g</td>
</tr>
<tr>
<td>Na</td>
<td>0.38%</td>
<td>0.24 g</td>
</tr>
<tr>
<td>Caloric Content (ME)</td>
<td></td>
<td>2.26 kcal/ml</td>
</tr>
</tbody>
</table>

For puppy feeding:

Mixing Table: 2.26 kcal/ml - 10 Fr or larger

Adult Dog Tube Feeding Recommendations*

RER = 70 x BW (kg) 0.75

Adult Dog Syringe Feeding Recommendation*

RER = 70 x BW (kg) 0.75

For additional information, visit Emeraid.com

**blue scoop in package = 1 tablespoon = 8.5g intensive Care hDN

*Feeding frequency and volume should be adjusted based upon patient response and under the supervision of a veterinarian.

Crude Protein . . . . . . . . . . . . . . . . . . . . . . 32.34%

Crude Fat . . . . . . . . . . . . . . . . . . . . . . . 26.90%

Crude Fiber . . . . . . . . . . . . . . . . . . . . . . 3.51%

P . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 0.93%

Na . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 0.38%

K . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 0.60%

Ca . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1.30%

Mg . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 0.12%

Discard remaining food after each feeding.

When made as a 3.5:2 part ratio