Adult Health- RSS™ feline dry and wet diets are palatable maintenance diets which include ingredients selected to support urinary tract health. The diets have undergone RSS (relative supersaturation) analyses at an independent laboratory to support their use in prevention and treatment of struvite and calcium oxalate urolithiasis. Both diets contain pork, a palatable and digestible source of protein that is low in ash and phosphorus\(^1\). Potato is a highly digestible and low fibre carbohydrate source that contains high levels of antioxidants\(^2\). These multi-indication maintenance diets achieve appropriate urinary tract health parameters while containing moderate amounts of sodium\(^3,4\) and providing a low phosphorus content (wet diet) appropriate for use in early renal disease.

**Features:**
- RSS data for treatment and prevention of struvite and calcium oxalate urolithiasis\(^5,6,7\)
- Excellent palatability
- High quality protein – preserves lean body mass
- High digestibility
- Limited in carbohydrates- wet diet
- Moderate sodium content- both diets
- Low phosphorus content – wet diet

**Therapeutic Indications:**
- Adult health maintenance
- Dissolution and aid in prevention of struvite uroliths\(^5,8,9\)
- Aid in prevention of calcium oxalate uroliths\(^10,11,12\)
- IRIS stage 1, 2, +/- 3 non-proteinuric renal disease (wet diet)\(^13,14,15,16\)
- Diabetic cats (BCS 5/9 or less) with historical/ concurrent urolithiasis (wet diet)\(^17,18\)
- Idiopathic Hypercalcemia option (wet diet)*\(^19,20\)

**INGREDIENTS (DRY):**
Pork, dried potatoes, potato protein, potato flour, chicken fat (preserved with mixed tocopherols), pork meal, dried pork liver, tomato pomace, tapioca starch, natural flavor, salmon oil (preserved with mixed tocopherols), calcium chloride, fructooligosaccharides, choline chloride, vitamins (vitamin E supplement, niacin, vitamin B12 supplement, vitamin A acetate, thiamine mononitrate, pyridoxine hydrochloride, riboflavin, d-calcium pantothenate, vitamin D3 supplement, biotin, folic acid), salt, calcium carbonate, taurine, potassium citrate, minerals (ferrous sulfate, zinc oxide, manganous oxide, copper sulfate, iron amino acid chelate, zinc amino acid chelate, manganese amino acid chelate, copper amino acid chelate, sodium selenite, cobalt carbonate, ethylenediamine dihydroiodine), rosemary extract.

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NUTRITIONAL DETAILS (Calculated **) & AMOUNT/CUP:
Dry (2kg & 4kg)
420 kcals/cup; 1 cup = 119 grams

ME: 3577 kcal/kg % as is; 3888 kcal/kg % dry weight
Approximate g/cup: 119g kcal/cup = 420kcal

Percentage of Metabolizable Energy from:
Protein 31.9 %
Fat 31.8 %
CHO-NFE 36.3 %

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>% As Is</th>
<th>% Dry Matter (92%)</th>
<th>G/1000 kcal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein</td>
<td>32.60</td>
<td>35.44</td>
<td>91.13</td>
</tr>
<tr>
<td>Fat</td>
<td>13.40</td>
<td>14.56</td>
<td>37.46</td>
</tr>
<tr>
<td>Fibre</td>
<td>2.50</td>
<td>2.72</td>
<td>6.99</td>
</tr>
<tr>
<td>CHO-NFE #</td>
<td>37.07</td>
<td>40.29</td>
<td>103.62</td>
</tr>
<tr>
<td>Calcium</td>
<td>0.73</td>
<td>0.79</td>
<td>2.04</td>
</tr>
<tr>
<td>Phosphorous</td>
<td>0.86</td>
<td>0.94</td>
<td>2.41</td>
</tr>
<tr>
<td>Potassium</td>
<td>1.09</td>
<td>1.19</td>
<td>3.05</td>
</tr>
<tr>
<td>Sodium</td>
<td>0.56</td>
<td>0.61</td>
<td>1.57</td>
</tr>
<tr>
<td>Magnesium</td>
<td>0.09</td>
<td>0.10</td>
<td>0.25</td>
</tr>
<tr>
<td>Vitamin D IU/kg</td>
<td>3283 IU/kg</td>
<td>3569 IU/kg</td>
<td>918 IU</td>
</tr>
<tr>
<td>EPA/DHA/DPA*</td>
<td>0.35</td>
<td>0.38</td>
<td>0.97</td>
</tr>
</tbody>
</table>

INGREDIENTS (WET; pate):
Water, pork, pork liver, dried egg white, potato starch, sunflower oil (preserved with mixed tocopherols), guar gum, glycine, calcium sulfate, dextrose, vitamins and minerals (choline chloride, magnesium oxide, zinc amino acid complex, vitamin E supplement, iron amino acid complex, thiamine mononitrate, niacin, manganese amino acid complex, copper amino acid complex, vitamin A supplement, pyridoxine hydrochloride, d-calcium pantothenate, riboflavin, sodium selenite, folic acid, vitamin B12 supplement, calcium iodate, vitamin D3 supplement, biotin), fish oil (preserved with mixed tocopherols), sea salt, fructooligosaccharides, tricalcium phosphate, potassium chloride, taurine.

NUTRITIONAL DETAILS (Calculated **) & AMOUNT/TRAY:
Wet (100g tray)

ME: 920 kcal/kg % as is; 4357 kcal/kg % dry weight
Approximate kcal/tray = 92

Percentage of Metabolizable Energy from:
Protein 43.2 %
Fat 40.9 %
CHO-NFE 15.9%

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# Carbohydrate Nitrogen Free Extract = CHO-NFE

**Omega-3 fatty acids**: eicosapentaenoic acid/docosahexaenoic acid/docosapentaenoic acid

*The values listed represent calculated numbers and are based on thorough analysis of diet ingredients; some lot to lot variation due to ingredient related factors is expected. Strict attention to nutrients of clinical concern is upheld with quality assurance analyses prior to product release.

**FEEDING GUIDELINES**

- Always follow your veterinarian’s instructions, as feeding amounts can vary by as much as 50% between cats.
- Avoid free feeding of either wet or dry food (unless there is a specific medical reason); it may promote obesity over time.
- The tables below can be used to estimate the amount to feed using the cat’s optimum weight.
- Always introduce new foods gradually over 5-7 days by substituting larger amounts of the new food in place of the old diet.

Please see our website to locate our handy Feeding Calculator under the heading “Diets”. The calculator can assist you with the caloric requirements, feeding volumes and includes combinations of wet and dry diet.

### DRY:

<table>
<thead>
<tr>
<th>Weight Class</th>
<th>Cups to Feed Per Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lb</td>
<td>Kg</td>
</tr>
<tr>
<td>3-5</td>
<td>1.4 – 2.3</td>
</tr>
<tr>
<td>5-7</td>
<td>2.3 – 3.2</td>
</tr>
<tr>
<td>7-10</td>
<td>3.2 – 4.5</td>
</tr>
<tr>
<td>10-15</td>
<td>4.5 – 6.8</td>
</tr>
</tbody>
</table>

**Nutrient** | **% As Is** | **% Dry Matter (21.19%)** | **G/1000 kcal**
--- | --- | --- | ---
Protein | 11.36 | 53.82 | 123.51
Fat | 4.43 | 20.96 | 48.11
Crude Fibre | 0.02 | 0.10 | 0.24
CHO-NFE # | 4.17 | 19.77 | 45.37
Calcium | 0.17 | 0.80 | 1.84
Phosphorus | 0.12 | 0.55 | 1.26
Potassium | 0.17 | 0.80 | 1.83
Sodium | 0.15 | 0.73 | 1.68
Magnesium | 0.02 | 0.08 | 0.18
Vitamin D IU/kg | 186.73 mg/kg | 884.40 mg/kg | 202.95 mg
EPA/DHA/DPA* | 0.09 | 0.44 | 1.01

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#Carbohydrate Nitrogen Free Extract = CHO-NFE

*Omega-3 fatty acids: eicosapentaenoic acid/docosahexaenoic acid/docosapentaenoic acid

**The values listed represent calculated numbers and are based on thorough analysis of diet ingredients; some lot to lot variation due to ingredient related factors is expected. Strict attention to nutrients of clinical concern is upheld with quality assurance analyses prior to product release.**
Feeding guidelines are from the AAHA 2010 Nutritional Assessment Guidelines for Dogs and Cats. The above tables should be used as a starting guideline and the actual amounts fed may need to be increased or decreased based on each cat’s individual energy requirement. Energy requirements will vary depending upon such factors as age, breed, gender and neuter status, activity level, and underlying disease state.

NUTRITIONAL ADEQUACY STATEMENT
These diets have been formulated to meet the Association of American Feed Control Officials (AAFCO) nutrient requirements for maintenance of adult cats.

COMPATIBLE TREATS
Rayne Rewards S.I.T. Pork treats (57kcal/treat) have a single pure protein aligned to match the protein within Rayne Adult Health RSS in cats. Treats should be < 10% daily kcal intake in general and to reduce impact on urinary RSS.

RESEARCH & DEVELOPMENT TRIALS
Palatability tests and Relative Super Saturation (RSS) for struvite and calcium oxalate have been completed on the Adult Health-RSS.

HELP
For veterinarians or clinic staff wanting to discuss individualized patient recommendations, obtain additional diet information, access the veterinary login, or any other questions, please call or email for a consult. One of the Rayne clinical consult team members will be pleased to communicate with you: consults@raynecanada.ca or 1-855-850-1410.

* Please see our website under Veterinary Team Resource Login for detailed information provided within our “Lower Urinary Tract Concerns”, “Feline Hypercalcemia”, “Cats, Carbs and Protein” Rayne Proofs.
References to support these clinical indications and aid client discussions about the benefits of these veterinary exclusive diets include:

5. Robertson WG, Jones JS, Heaton MA et al. Predicting the crystallization potential of urine from cats and dogs with respect to calcium oxalate and magnesium ammonium phosphate (struvite). J Nutr 2002;132:1637S-1641S.

Last updated: October 24, 2016 (7061, 1300)