Adult Health- RSS™ canine 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. Potato is a highly digestible and low fibre carbohydrate source that contains high levels of antioxidants. These multi-indication maintenance diets achieve appropriate urinary tract health parameters while containing moderate amounts of sodium. The wet formula is low in total fibre to ensure optimal digestibility, contains prebiotics (FOS) to maintain gastrointestinal health, and has a restricted phosphorus content appropriate for use in early renal disease.

**Features:**
- RSS data for treatment and prevention of struvite and calcium oxalate urolithiasis
- Excellent palatability
- High quality protein – preserves lean body mass and may be protective against calcium oxalate uroliths
- High digestibility
- Low fibre content with added prebiotics (fructooligosaccharides)- wet formula
- Limited in carbohydrates- wet formula
- Moderate sodium content- both diets
- Moderate phosphorus content – both diets

**Therapeutic Indications:**
- Adult Health Maintenance
- Dissolution and aid in prevention of struvite uroliths in adult dogs
- Aid in prevention of calcium oxalate uroliths in adult dogs
- Struvite and calcium oxalate urolithiasis with concurrent IRIS stage 1 and 2 non-proteinuric renal disease (wet formula)
- Gastroenteropathies responsive to digestible, lower fibre diets with concurrent/historical urolithiasis
- Pancreatitis in patients with concurrent/historical struvite and calcium oxalate urolithiasis (dry formula) (patient dependent)

**INGREDIENTS (DRY):**
Pork, brown rice, oatmeal, dried potatoes, pork meal, potato protein, tomato pomace, canola oil (preserved with mixed tocopherols), dried pork liver, natural flavor, salmon oil (preserved with mixed tocopherols), salt, DL-methionine, potassium citrate, vitamins (vitamin E supplement, vitamin B12 supplement, niacin, d-calcium pantothenate, vitamin A acetate, biotin, riboflavin, thiamine mononitrate, vitamin D3 supplement, pyridoxine hydrochloride, folic acid), choline chloride, minerals (ferrous sulfate, zinc oxide, manganese oxide, copper sulfate, iron amino acid chelate, zinc amino acid chelate, manganese amino acid chelate, copper amino acid chelate, sodium selenite, cobalt carbonate, ethylenediamine dihydriodine), mixed tocopherols, rosemary extract, taurine.
**NUTRITIONAL DETAILS (Calculated **) & AMOUNT/CUP:**
Dry (2kg, 4kg, & 8kg)

ME: 3,608 kcal/kg % as is; 3,922 kcal/kg % dry weight
Approximate g/cup: 116, kcal/cup = 412

Percentage of Metabolizable Energy from:
Protein 22.2 %
Fat 32.5 %
CHO-NFE 45.3 %

<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>22.92</td>
<td>24.91</td>
<td>63.50</td>
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<tr>
<td>Fat</td>
<td>13.79</td>
<td>14.99</td>
<td>38.20</td>
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<tr>
<td>Fibre</td>
<td>2.80</td>
<td>3.04</td>
<td>7.75</td>
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<tr>
<td>CHO-NFE #</td>
<td>46.71</td>
<td>50.77</td>
<td>129.43</td>
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<tr>
<td>Calcium</td>
<td>0.89</td>
<td>0.96</td>
<td>2.45</td>
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<tr>
<td>Phosphorus</td>
<td>0.82</td>
<td>0.89</td>
<td>2.27</td>
</tr>
<tr>
<td>Potassium</td>
<td>0.66</td>
<td>0.72</td>
<td>1.83</td>
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<tr>
<td>Sodium</td>
<td>0.64</td>
<td>0.70</td>
<td>1.78</td>
</tr>
<tr>
<td>Magnesium</td>
<td>0.12</td>
<td>0.13</td>
<td>0.34</td>
</tr>
<tr>
<td>Copper</td>
<td>22.19 mg/kg</td>
<td>24.09 mg/kg</td>
<td>6.14 mg</td>
</tr>
<tr>
<td>EPA/DHA/DPA*</td>
<td>0.30</td>
<td>0.33</td>
<td>0.83</td>
</tr>
</tbody>
</table>

**INGREDIENTS (WET):**
Pork, water, potato starch, pork liver, sunflower oil (with mixed tocopherols), fish oil, (preserved with mixed tocopherols), guar gum, 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), calcium carbonate, sea salt, fructooligosaccharides, potassium chloride, tricalcium phosphate, taurine.

**NUTRITIONAL DETAILS (Calculated **) & AMOUNT/CAN:**
Wet (400g/can)

ME: 1,034 kcal/kg % as is; 4,277 kcal/kg % dry weight
Approximate kcal/can = 414

Percentage of Metabolizable Energy from:
Protein 37.4 %
Fat 39.6 %
CHO-NFE 23.0 %

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FEEDING GUIDELINES

- Always follow your veterinarian's instructions, as feeding amounts can vary by as much as 30% between dogs.\(^{20,21}\)
- Avoid free feeding of either wet or dry food (unless there is a specific medical reason); it may promote obesity over time, especially in spayed or neutered dogs.\(^{22}\)
- The tables below can be used to estimate the amount to feed using the dog'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 caloric requirements, feeding volumes and includes combinations of wet and dry diet.
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 dog’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.
COMPATIBLE TREATS
Rayne Rewards S.I.T. Pork treats (57 kcal/treat) and Rayne S.I.T. Every Dog Biscuit Apple & Pumpkin biscuits (20 kcal/treat) treats should be <10% of total daily kcal intake to reduce impact on urinary RSS and recurrence rate of calcium oxalate uroliths.

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

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

HELP
For veterinarians 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@raynenutrition.com or 1-800-816-1763.

Please see our website under Veterinary Team Resource Page for detailed information provided on feeding with Lower Urinary Tract Concerns and Derm issues in our “Rayne Proofs”.

References to support these clinical indications and aid client discussions about the benefits of these veterinary exclusive diets include:

4. 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: November 7, 2016 (7092,300)