

# Joint and Skin Support is formulated to protect connective tissue, improve joint mobility, reduce joint pain and inflammation, and support the skin barrier by addressing the following key nutritional factors:

- Incorporates bioavailable neutraceuticals: Natural Hydrolyzed Collagen, Hyaluronic Acid, and Chondroitin Sulfate
- Novel protein: USDA pork tenderloin
- Low omega 6:3 ratio to reduce inflammation and support the skin barrier
- Made 100% with ingredients approved for human consumption
- Can also be used to address gastric pathology, including IBD/IBS, or food allergy/intolerance

"As a board certified veterinary dermatologist, I find JustFoodForDogs ideal for patients with specific health needs. It's a convenient option for owners seeking a healthy, whole food alternative to kibble that don't have the time or expertise to create a consistent, nutritionally balanced diet. JFFD offers owners all the benefits of a consistent, home cooked diet without the risk of deficiency, contamination or the hours required to do the job right."

- Dr. John Angus DVM DACVD

## **TYPICAL ANALYSIS:** Joint & Skin Support

Protein   101.89 g	Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Total lipid (fat)   33.47   9   135.44   9   30.32   9   Ash   15.58   9   63.03   9   14.11   9   15.58   9   63.03   9   14.11   9   15.58   9   63.03   9   14.11   9   15.58   9   63.03   9   14.11   9   15.58   9   63.03   9   15.70   9	Protein	101 89   a	412 30   a	92 30   a
Ash   15.58 g   63.03 g   14.11 g   Carbohydrates (NFE)   96.19 g   389.23 g   87.13 g   Fiber, total dietary   17.34 g   70.15 g   15.70 g   Sugars, total   13.23 g   53.52 g   11.98 g   Calcium, Ca   1580.59 mg   6396.02 mg   1.43 g   Iron, Fe   10.31 mg   41.74 mg   9.34 mg   Magnesium, Mg   334.92 mg   1355.28 mg   0.30 g   Phosphorus, P   1431.79 mg   5793.89 mg   1.30 g   Phosphorus, P   1431.79 mg   5793.89 mg   1.30 g   Potassium, K   2594.31 mg   10498.20 mg   2.35 g   Sodium, Na   312.95 mg   1266.40 mg   2.35 g   Sodium, Na   312.95 mg   1266.40 mg   2.59 mg   2.50 mg   2.59 mg   1.78 mg   Nagnaese, Mn   2.86 mg   11.55 mg   2.59 mg   1.78 mg   Selenium, Se   133.87 Åμg   541.73 Åμg   0.12 mg   Iodine, I   0.28 mg   1.15 mg   0.26 mg   Vitamin C   62.59 mg   253.28 mg   56.70 mg   Vitamin B2   11.21 mg   45.38 mg   10.16 mg   Vitamin B3   36.24 mg   146.66 mg   32.83 mg   Vitamin B6   12.63 mg   51.11 mg   11.44 mg   Folate   251.78 Åμg   1018.85 Åμg   0.23 mg   Choline   479.66 mg   1940.98 mg   434.50 mg   Vitamin B1   11.26 Åμg   45.38 Åg   10.20 Åμg   Vitamin B1   11.26 Åμg   45.18 Åg   10.20 Åμg   Vitamin B1   11.24 Åμg   45.18 Åg   10.20 Åμg   Vitamin B1   11.76 Åμg   305.66 Åμg   1859.29 Åμg   Vitamin B1   11.76 Åμg   305.66 Åμg   1859.29 Åμg   Vitamin B1   11.76 Åμg   45.18 Åμg   10.20 Åμg   Vitamin B1   11.76 Åμg   45.285 Åμg   1012.25 Åμg   FPA - DHA   1.23 g   4.95 g   1.11 g   1.29 Mg   4.42 g   4.42 incheric Acid   0.51 g   33.5.76 g   8.01 g   5.50 mg   35.76 g   8.01 g   5.50 mg   35.76 g   8.01 g   35.76 g   8.01 g   35.76 g   8.01 g   35.76 g   8.01 g   35.76 g   30.11		$\mathbf{c}$		_
Carbohydrates (NFE)         96.19         g         389.23         g         87.13         g           Filber, total dietary         17.34         g         70.15         g         15.70         g           Sugars, total         13.23         g         53.52         g         11.98         g           Calcium, Ca         1580.59         mg         6396.02         mg         1.43         g           Iron, Fe         10.31         mg         41.74         mg         9.34         mg           Magnesium, Mg         334.92         mg         1355.28         mg         0.30         g           Phosphorus, P         1431.79         mg         5793.89         mg         1.30         g           Potassium, K         2594.31         mg         10498.20         mg         2.35         g           Sodium, Na         312.95         mg         1266.40         mg         0.28         g           Zinc, Zn         19.53         mg         7.97         mg         1.78         mg           Sodium, Na         2.86         mg         11.59         mg         2.59         mg           Selenium, Se         133.87         Åyg				
Fiber, total dietary   17.34 g   70.15 g   15.70 g   Sugars, total   13.23 g   53.52 g   11.98 g   11.99 g   11.9		Ŭ		
Sugars, total   13.23 g   53.52 g   11.98 g   Calcium, Ca   1580.59 mg   6396.02 mg   1.43 g   Iron, Fe   10.31 mg   41.74 mg   9.34 mg   Magnesium, Mg   334.92 mg   1355.28 mg   0.30 g   Phosphorus, P   1431.79 mg   5793.89 mg   1.30 g   Potassium, K   2594.31 mg   10498.20 mg   2.35 g   Sodium, Na   312.95 mg   1266.40 mg   0.28 g   Zinc, Zn   19.53 mg   79.04 mg   17.69 mg   Copper, Cu   1.97 mg   7.97 mg   1.78 mg   Manganese, Mn   2.86 mg   11.59 mg   2.59 mg   Selenium, Se   133.87 Åμg   541.73 Åμg   0.12 mg   Iodine, I   0.28 mg   1.15 mg   0.26 mg   Vitamin C   62.59 mg   253.28 mg   56.70 mg   Vitamin B1   13.01 mg   52.65 mg   11.79 mg   Vitamin B5   11.21 mg   45.38 mg   10.16 mg   Vitamin B6   12.63 mg   51.11 mg   11.44 mg   Folate   251.78 Åμg   1018.85 Åμg   0.23 mg   Vitamin B12   11.26 Åμg   45.57 Åμg   0.23 mg   Vitamin B12   11.26 Åμg   45.57 Åμg   10.20 Åμg   Vitamin B142   11.26 Åμg   45.57 Åμg   10.20 Åμg   Vitamin B142   11.26 Åμg   45.57 Åμg   10.20 Åμg   Vitamin B15   11.23 mg   44.36 mg   434.50 mg   Vitamin B16   479.66 mg   1940.98 mg   434.50 mg   Vitamin B175.73 IU   711.09 IU   159.18 IU   Vitamin K   1117.44 Åμg   4521.85 Åμg   1012.25 Åμg   Linoleric Acid   0.19 g   0.78 g   0.17 g   Linoleric Acid   0.51 g   20.79 g   0.46 g   1779tophan   1.10 g   4.46 g   1.00 g   Indicate   4.52 g   18.29 g   4.10 g   Isoleucine   4.88 g   19.74 g   4.42 g   Leucine   4.88 g   19.74 g   4.42 g   Leucine   4.88 g   19.74 g   4.42 g   Leucine   4.89 g   35.76 g   8.01 g   4.95 g				
Calcium, Ca         1580.59         mg         6396.02         mg         1.43         g           Iron, Fe         10.31         mg         41.74         mg         9.34         mg           Magnesium, Mg         334.92         mg         1355.28         mg         0.30         g           Phosphorus, P         1431.79         mg         5793.89         mg         1.30         g           Potassium, K         2594.31         mg         10498.20         mg         2.35         g           Soldium, Na         312.95         mg         1266.40         mg         0.28         g           Zinc, Zn         19.53         mg         79.04         mg         17.69         mg           Copper, Cu         1.97         mg         7.97         mg         1.78         mg           Manganese, Mn         2.86         mg         11.59         mg         2.59         mg           Selenium, Se         133.87         Âμg         541.73         Âμg         0.12         mg           Selenium, Se         133.87         Âμg         541.73         Âμg         0.12         mg           Vitamin C         62.59         mg				
Iron, Fe		· ·		
Magnesium, Mg         334.92         mg         1355.28         mg         0.30         g           Phosphorus, P         1431.79         mg         5793.89         mg         1.30         g           Potassium, K         2594.31         mg         10498.20         mg         2.35         g           Sodium, Na         312.95         mg         1266.40         mg         0.28         g           Zinc, Zn         19.53         mg         79.04         mg         1.76         mg           Copper, Cu         1.97         mg         7.97         mg         1.78         mg           Manganese, Mn         2.86         mg         11.59         mg         2.59         mg           Selenium, Se         133.87         Âμg         541.73         Âμg         0.12         mg           Selenium, Se         133.87         Âμg         541.73         Âμg         0.12         mg           Vitamin C         62.59         mg         253.28         mg         56.70         mg           Vitamin B1         13.01         mg         52.65         mg         11.79         mg           Vitamin B2         11.23         mg		J	•	_
Phosphorus, P Potassium, K         1431.79 mg         5793.89 mg         1.30 g           Potassium, K         2594.31 mg         10498.20 mg         2.35 g           Sodium, Na         312.95 mg         1266.40 mg         0.28 g           Zinc, Zn         19.53 mg         79.04 mg         17.69 mg           Copper, Cu         1.97 mg         7.97 mg         1.78 mg           Manganese, Mn         2.86 mg         11.59 mg         2.59 mg           Selenium, Se         133.87 Åμg         541.73 Åμg         0.12 mg           Iodine, I         0.28 mg         1.15 mg         0.26 mg           Vitamin C         62.59 mg         253.28 mg         56.70 mg           Vitamin B1         13.01 mg         52.65 mg         11.79 mg           Vitamin B2         11.21 mg         45.38 mg         10.16 mg           Vitamin B3         36.24 mg         146.66 mg         32.83 mg           Vitamin B6         12.63 mg         51.11 mg         11.44 mg           Folate         251.78 Åμg         1018.85 Åμg         0.23 mg           Choline         479.66 mg         1940.98 mg         434.50 mg           Vitamin B12         11.26 Åμg         45.57 Åμg         10.20 Åμg		J	•	
Potassium, K         2594.31         mg         10498.20         mg         2.35         g           Sodium, Na         312.95         mg         1266.40         mg         0.28         g           Zinc, Zn         19.53         mg         79.04         mg         17.69         mg           Copper, Cu         1.97         mg         7.97         mg         1.78         mg           Manganese, Mn         2.86         mg         11.59         mg         2.59         mg           Selenium, Se         133.87         µg         541.73         µg         0.12         mg           Iodine, I         0.28         mg         1.15         mg         0.26         mg           Vitamin C         62.59         mg         253.28         mg         56.70         mg           Vitamin B1         13.01         mg         52.65         mg         11.79         mg           Vitamin B2         11.21         mg         45.38         mg         10.16         mg           Vitamin B3         36.24         mg         146.66         mg         32.83         mg           Vitamin B5         11.23         mg         51.11		J	•	_
Sodium, Na   312.95 mg   1266.40 mg   0.28 g   Zinc, Zn   19.53 mg   79.04 mg   17.69 mg   17.69 mg   17.87 mg   7.97 mg   1.78 mg   1.88 mg   11.59 mg   2.59 mg   Selenium, Se   133.87 ŵg   541.73 ŵg   0.12 mg   1.06 mg   1.15 mg   0.26 mg   1.15 mg   0.26 mg   0.12 mg   0.28 mg   1.15 mg   0.26 mg   0.26 mg   0.12 mg   0.28 mg   1.15 mg   0.26 mg   0.26 mg   0.28 mg   0.26 mg   0.26 mg   0.28 mg   0.26 mg   0.26 mg   0.28 mg   0.26 mg   0.28 mg   0.26 mg   0.28 mg   0.26 mg   0.28 mg   0.26 mg   0.28 mg   0.16 mg   0.28 mg   0.28 mg   0.17 mg   0.28 mg   0.28 mg   0.17 mg   0.28 mg   0.28 mg   0.23 mg   0.24 mg   0.23 mg   0.23 mg   0.24 mg   0.24 mg   0.25 mg   0.25 mg   0.26 mg   0.28 mg	· · · · · · · · · · · · · · · · · · ·	· ·	•	•
Zinc, Zn		J	•	<u> </u>
Copper, Cu Manganese, Mn Selenium, Se         1.97 mg         7.97 mg         1.78 mg           Selenium, Se Iddine, I Iddine, I Vitamin C         0.28 mg         11.59 mg         0.26 mg           Vitamin C Vitamin B1         13.01 mg         52.65 mg         11.79 mg           Vitamin B2 Vitamin B3         36.24 mg         146.66 mg         32.83 mg           Vitamin B5 I1.23 mg         45.44 mg         10.17 mg           Vitamin B6 I2.63 mg         51.11 mg         11.44 mg           Folate         251.78 Åμg         1018.85 Åμg         0.23 mg           Choline         479.66 mg         1940.98 mg         434.50 mg         10.20 Åμg           Vitamin A, IU         40997.43 IU         165900.93 IU         37138.26 IU         37138.26 IU           Vitamin B         110.06 mg         445.36 mg         124.62 IU         125.73 IU         711.09 IU         159.18 IU           Vitamin E         110.06 mg         445.36 mg         124.62 IU         111.74 Åμg         452.18 Åμg         1012.25 Åμg           EPA - DHA         1.23 g         4.95 g         1.11 g         11.10 g         4.46 g         1.11 g           Linoleic Acid         0.51 g         20.7 g         0.46 g         7.752 g           Threonine		J	•	
Manganese, Mn Selenium, Se         2.86 mg         11.59 mg         2.59 mg           Selenium, Se Iodine, I         0.28 mg         541.73 Åμg         0.12 mg           Iodine, I         0.28 mg         1.15 mg         0.26 mg           Vitamin C         62.59 mg         253.28 mg         56.70 mg           Vitamin B1         13.01 mg         52.65 mg         11.79 mg           Vitamin B2         11.21 mg         45.38 mg         10.16 mg           Vitamin B3         36.24 mg         146.66 mg         32.83 mg           Vitamin B5         11.23 mg         45.44 mg         10.17 mg           Vitamin B6         12.63 mg         51.11 mg         11.44 mg           Folate         251.78 Åμg         1018.85 Åμg         0.23 mg           Choline         479.66 mg         1940.98 mg         434.50 mg           Vitamin B12         11.26 Åμg         45.57 Åμg         10.20 Åμg           Vitamin A, IU         40997.43 IU         165900.93 IU         37138.26 IU           Vitamin E         110.06 mg         445.36 mg         124.62 IU           Vitamin D         175.73 IU         711.09 IU         159.18 IU           Vitamin K         1117.44 Åμg         4521.85 Åμg         1012.25 Åμg		J	•	_
Selenium, Se         133.87         Âμg         541.73         Âμg         0.12 mg           Iodine, I         0.28 mg         1.15 mg         0.26 mg           Vitamin C         62.59 mg         253.28 mg         56.70 mg           Vitamin B1         13.01 mg         52.65 mg         11.79 mg           Vitamin B2         11.21 mg         45.38 mg         10.16 mg           Vitamin B3         36.24 mg         146.66 mg         32.83 mg           Vitamin B5         11.23 mg         45.44 mg         10.17 mg           Vitamin B6         12.63 mg         51.11 mg         11.44 mg           Folate         251.78 Åμg         1018.85 Åμg         0.23 mg           Choline         479.66 mg         1940.98 mg         434.50 mg           Vitamin B12         11.26 Åμg         45.57 Åμg         10.20 Åμg           Vitamin A, IU         40997.43 IU         165900.93 IU         37138.26 IU           Vitamin E         110.06 mg         445.36 mg         124.62 IU           Vitamin B         117.44 Åμg         4521.85 Åμg         1012.25 Åμg           EPA - DHA         1.23 g         4.95 g         1.11 g           Linoleic Acid         5.51 g         22.29 g         4.99 g		· ·	~	· · · · · · · · · · · · · · · · · · ·
Iodine, I		, J	χ •	<u> </u>
Vitamin C         62.59 mg         253.28 mg         56.70 mg           Vitamin B1         13.01 mg         52.65 mg         11.79 mg           Vitamin B2         11.21 mg         45.38 mg         10.16 mg           Vitamin B3         36.24 mg         146.66 mg         32.83 mg           Vitamin B5         11.23 mg         45.44 mg         10.17 mg           Vitamin B6         12.63 mg         51.11 mg         11.44 mg           Folate         251.78 Åμg         1018.85 Åμg         0.23 mg           Choline         479.66 mg         1940.98 mg         434.50 mg           Vitamin B12         11.26 Åμg         45.57 Åμg         10.20 Åμg           Vitamin A, IU         40997.43 IU         165900.93 IU         37138.26 IU           Vitamin E         110.06 mg         445.36 mg         124.62 IU           Vitamin D         175.73 IU         711.09 IU         159.18 IU           Vitamin K         1117.44 Åμg         4521.85 Åμg         1012.25 Åμg           EPA - DHA         1.23 g         4.95 g         1.11 g           Linolenic Acid         5.51 g         22.29 g         4.99 g           Arachidonic Acid         0.51 g         20.7 g         0.46 g <td< td=""><td></td><td>, 5</td><td>. •</td><td></td></td<>		, 5	. •	
Vitamin B1         13.01         mg         52.65         mg         11.79         mg           Vitamin B2         11.21         mg         45.38         mg         10.16         mg           Vitamin B3         36.24         mg         146.66         mg         32.83         mg           Vitamin B5         11.23         mg         45.44         mg         10.17         mg           Vitamin B6         12.63         mg         51.11         mg         11.44         mg           Folate         251.78         Âμg         1018.85         Âμg         0.23         mg           Choline         479.66         mg         1940.98         mg         434.50         mg           Vitamin B12         11.26         Âμg         45.57         Âμg         10.20         Âμg           Vitamin A, IU         40997.43         IU         165900.93         IU         37138.26         IU           Vitamin A, RAE         2052.49         Âμg         8305.66         Âμg         1859.29         Âμg           Vitamin D         175.73         IU         711.09         IU         159.18         IU           Vitamin K         117.44         Â		~	•	_
Vitamin B2         11.21 mg         45.38 mg         10.16 mg           Vitamin B3         36.24 mg         146.66 mg         32.83 mg           Vitamin B5         11.23 mg         45.44 mg         10.17 mg           Vitamin B6         12.63 mg         51.11 mg         11.44 mg           Folate         251.78 Åμg         1018.85 Åμg         0.23 mg           Choline         479.66 mg         1940.98 mg         434.50 mg           Vitamin B12         11.26 Åμg         45.57 Åμg         10.20 Åμg           Vitamin A, IU         40997.43 IU         165900.93 IU         37138.26 IU           Vitamin E         110.06 mg         8305.66 Åμg         1859.29 Åμg           Vitamin D         175.73 IU         711.09 IU         159.18 IU           Vitamin K         1117.44 Åμg         4521.85 Åμg         1012.25 Åμg           EPA - DHA         1.23 g         4.95 g         1.11 g           Linoleic Acid         0.19 g         0.78 g         0.17 g           Linolenic Acid         0.51 g         20.7 g         0.46 g           Tryptophan         1.10 g         4.46 g         1.00 g           Threonine         4.88 g         19.74 g         4.42 g           Leucine <td>Vitamin B1</td> <td>J</td> <td>•</td> <td>_</td>	Vitamin B1	J	•	_
Vitamin B3         36.24 mg         146.66 mg         32.83 mg           Vitamin B5         11.23 mg         45.44 mg         10.17 mg           Vitamin B6         12.63 mg         51.11 mg         11.44 mg           Folate         251.78 Åμg         1018.85 Åμg         0.23 mg           Choline         479.66 mg         1940.98 mg         434.50 mg           Vitamin B12         11.26 Åμg         45.57 Åμg         10.20 Åμg           Vitamin A, IU         40997.43 IU         165900.93 IU         37138.26 IU           Vitamin A, RAE         2052.49 Åμg         8305.66 Åμg         1859.29 Åμg           Vitamin E         110.06 mg         445.36 mg         124.62 IU           Vitamin K         1117.44 Åμg         4521.85 Åμg         1012.25 Åμg           EPA - DHA         1.23 g         4.95 g         1.11 g           Linoleic Acid         5.51 g         22.29 g         4.99 g           Arachidonic Acid         0.19 g         0.78 g         0.17 g           Linolenic Acid         0.51 g         2.07 g         0.46 g           Tryptophan         1.10 g         4.46 g         1.00 g           Threonine         4.88 g         19.74 g         4.42 g           Leu	Vitamin B2	· ·	•	_
Vitamin B5         11.23         mg         45.44         mg         10.17         mg           Vitamin B6         12.63         mg         51.11         mg         11.44         mg           Folate         251.78         µg         1018.85         µg         0.23         mg           Choline         479.66         mg         1940.98         mg         434.50         mg           Vitamin B12         11.26         µg         45.57         µg         10.20         µg           Vitamin A, IU         40997.43         IU         165900.93         IU         37138.26         IU           Vitamin A, RAE         2052.49         µg         8305.66         µg         1859.29         µg           Vitamin E         110.06         mg         445.36         mg         124.62         IU           Vitamin D         175.73         IU         711.09         IU         159.18         IU           Vitamin K         1117.44         µg         4521.85         µg         1012.25         µg           EPA - DHA         1.23         g         4.95         g         1.11         g           Linoleic Acid         0.51 <t< td=""><td>Vitamin B3</td><td>· ·</td><td>•</td><td></td></t<>	Vitamin B3	· ·	•	
Vitamin B6 $12.63$ mg $51.11$ mg $11.44$ mg           Folate $251.78$ Å $\mu$ g $1018.85$ Å $\mu$ g $0.23$ mg           Choline $479.66$ mg $1940.98$ mg $434.50$ mg           Vitamin B12 $11.26$ Å $\mu$ g $45.57$ Å $\mu$ g $10.20$ Å $\mu$ g           Vitamin A, IU $40997.43$ IU $165900.93$ IU $37138.26$ IU           Vitamin A, RAE $2052.49$ Å $\mu$ g $8305.66$ Å $\mu$ g $1859.29$ Å $\mu$ g           Vitamin E $110.06$ mg $445.36$ mg $124.62$ IU           Vitamin D $175.73$ IU $711.09$ IU $159.18$ IU           Vitamin K $1117.44$ Å $\mu$ g $4521.85$ Å $\mu$ g $1012.25$ Å $\mu$ g           EPA - DHA $1.23$ g $4.95$ g $1.11$ g           Linoleic Acid $5.51$ g $22.29$ g $4.99$ g           Arachidonic Acid $0.19$ g $0.78$ g $0.17$ g           Linolenic Acid $0.51$ g $2.07$ g $0.46$ g           Tryptophan $1.10$ g $4.46$ g $1.00$ g           Incoleic Acid $0.51$ g $0.51$ g $0.51$ g $0.51$ g <tr< td=""><td>Vitamin B5</td><td>· ·</td><td>45.44 mg</td><td>_</td></tr<>	Vitamin B5	· ·	45.44 mg	_
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Vitamin B6	<u> </u>	· · · · · · · · · · · · · · · · · · ·	_
Vitamin B12 $11.26$ $\hat{A}\mu g$ $45.57$ $\hat{A}\mu g$ $10.20$ $\hat{A}\mu g$ Vitamin A, IU $40997.43$ IU $165900.93$ IU $37138.26$ IU         Vitamin A, RAE $2052.49$ $\hat{A}\mu g$ $8305.66$ $\hat{A}\mu g$ $1859.29$ $\hat{A}\mu g$ Vitamin E $110.06$ mg $445.36$ mg $124.62$ IU         Vitamin D $175.73$ IU $711.09$ IU $159.18$ IU         Vitamin K $1117.44$ $\hat{A}\mu g$ $4521.85$ $\hat{A}\mu g$ $1012.25$ $\hat{A}\mu g$ EPA - DHA $1.23$ $g$ $4.95$ $g$ $1.11$ $g$ Linoleic Acid $5.51$ $g$ $22.29$ $g$ $4.99$ $g$ Arachidonic Acid $0.19$ $g$ $0.78$ $g$ $0.17$ $g$ Linolenic Acid $0.51$ $g$ $2.07$ $g$ $0.46$ $g$ Tryptophan $1.10$ $g$ $4.46$ $g$ $1.00$ $g$ Incompany $1.00$ $1.00$ <td>Folate</td> <td>251.78 µg</td> <td>1018.85 Âμg</td> <td>0.23 mg</td>	Folate	251.78 µg	1018.85 Âμg	0.23 mg
Vitamin A, IU         40997.43 IU         165900.93 IU         37138.26 IU           Vitamin A, RAE         2052.49 Âμg         8305.66 Âμg         1859.29 Âμg           Vitamin E         110.06 mg         445.36 mg         124.62 IU           Vitamin D         175.73 IU         711.09 IU         159.18 IU           Vitamin K         1117.44 Âμg         4521.85 Âμg         1012.25 Âμg           EPA - DHA         1.23 g         4.95 g         1.11 g           Linoleic Acid         5.51 g         22.29 g         4.99 g           Arachidonic Acid         0.19 g         0.78 g         0.17 g           Linolenic Acid         0.51 g         2.07 g         0.46 g           Tryptophan         1.10 g         4.46 g         1.00 g           Threonine         4.88 g         19.74 g         4.42 g           Isoleucine         8.31 g         33.61 g         7.52 g           Lysine         8.84 g         35.76 g         8.01 g	Choline	479.66 mg	1940.98 mg	434.50 mg
Vitamin A, RAE $2052.49$ $\hat{A}\mu g$ $8305.66$ $\hat{A}\mu g$ $1859.29$ $\hat{A}\mu g$ Vitamin E $110.06$ mg $445.36$ mg $124.62$ IU         Vitamin D $175.73$ IU $711.09$ IU $159.18$ IU         Vitamin K $1117.44$ $\hat{A}\mu g$ $4521.85$ $\hat{A}\mu g$ $1012.25$ $\hat{A}\mu g$ EPA - DHA $1.23$ g $4.95$ g $1.11$ g         Linoleic Acid $5.51$ g $22.29$ g $4.99$ g         Arachidonic Acid $0.19$ g $0.78$ g $0.17$ g         Linolenic Acid $0.51$ g $2.07$ g $0.46$ g         Tryptophan $1.10$ g $4.46$ g $1.00$ g         Threonine $4.52$ g $18.29$ g $4.10$ g         Isoleucine $4.88$ g $19.74$ g $4.42$ g         Leucine $8.31$ g $33.61$ g $7.52$ g	Vitamin B12	11.26 Â <i>µ</i> g	45.57 Âμg	10.20 Â $\mu$ g
Vitamin E       110.06 mg       445.36 mg       124.62 IU         Vitamin D       175.73 IU       711.09 IU       159.18 IU         Vitamin K       1117.44 µg       4521.85 µg       1012.25 µg         EPA - DHA       1.23 g       4.95 g       1.11 g         Linoleic Acid       5.51 g       22.29 g       4.99 g         Arachidonic Acid       0.19 g       0.78 g       0.17 g         Linolenic Acid       0.51 g       2.07 g       0.46 g         Tryptophan       1.10 g       4.46 g       1.00 g         Threonine       4.52 g       18.29 g       4.10 g         Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g	Vitamin A, IU	40997.43 IU	165900.93 IU	37138.26 IU
Vitamin D       175.73       IU       711.09       IU       159.18       IU         Vitamin K       1117.44 $\hat{A}\mu g$ 4521.85 $\hat{A}\mu g$ 1012.25 $\hat{A}\mu g$ EPA - DHA       1.23       g       4.95       g       1.11       g         Linoleic Acid       5.51       g       22.29       g       4.99       g         Arachidonic Acid       0.19       g       0.78       g       0.17       g         Linolenic Acid       0.51       g       2.07       g       0.46       g         Tryptophan       1.10       g       4.46       g       1.00       g         Threonine       4.52       g       18.29       g       4.10       g         Isoleucine       4.88       g       19.74       g       4.42       g         Leucine       8.31       g       33.61       g       7.52       g         Lysine       8.84       g       35.76       g       8.01       g	Vitamin A, RAE	2052.49 Âμg	8305.66 µg	1859.29 Â <i>µ</i> g
Vitamin K       1117.44 µg $4521.85$ µg $1012.25$ µg         EPA - DHA       1.23 g       4.95 g       1.11 g         Linoleic Acid       5.51 g       22.29 g       4.99 g         Arachidonic Acid       0.19 g       0.78 g       0.17 g         Linolenic Acid       0.51 g       2.07 g       0.46 g         Tryptophan       1.10 g       4.46 g       1.00 g         Threonine       4.52 g       18.29 g       4.10 g         Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g	Vitamin E	110.06 mg	445.36 mg	124.62 IU
EPA - DHA       1.23 g       4.95 g       1.11 g         Linoleic Acid       5.51 g       22.29 g       4.99 g         Arachidonic Acid       0.19 g       0.78 g       0.17 g         Linolenic Acid       0.51 g       2.07 g       0.46 g         Tryptophan       1.10 g       4.46 g       1.00 g         Threonine       4.52 g       18.29 g       4.10 g         Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g	Vitamin D			
EPA - DHA       1.23 g       4.95 g       1.11 g         Linoleic Acid       5.51 g       22.29 g       4.99 g         Arachidonic Acid       0.19 g       0.78 g       0.17 g         Linolenic Acid       0.51 g       2.07 g       0.46 g         Tryptophan       1.10 g       4.46 g       1.00 g         Threonine       4.52 g       18.29 g       4.10 g         Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g	Vitamin K	1117.44 Âμg	4521.85 Âμg	1012.25 µg
Arachidonic Acid       0.19 g       0.78 g       0.17 g         Linolenic Acid       0.51 g       2.07 g       0.46 g         Tryptophan       1.10 g       4.46 g       1.00 g         Threonine       4.52 g       18.29 g       4.10 g         Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g	EPA - DHA	1.23 g	4.95 g	
Linolenic Acid       0.51 g       2.07 g       0.46 g         Tryptophan       1.10 g       4.46 g       1.00 g         Threonine       4.52 g       18.29 g       4.10 g         Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g				•
Tryptophan       1.10 g       4.46 g       1.00 g         Threonine       4.52 g       18.29 g       4.10 g         Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g		_		•
Threonine       4.52 g       18.29 g       4.10 g         Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g		•		<u> </u>
Isoleucine       4.88 g       19.74 g       4.42 g         Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g		•		_
Leucine       8.31 g       33.61 g       7.52 g         Lysine       8.84 g       35.76 g       8.01 g				
Lysine 8.84 g 35.76 g 8.01 g				•
		_		<u> </u>
Methionine - Cystine 3.97 g 16.06 g 3.59 g		_		
	Methionine - Cystine	3.97 g	16.06 g	3.59 g
Phenylalanine - Tyrosine 7.92 g 32.05 g 7.17 g				•
Valine 5.20 g 21.03 g 4.71 g			•	<u> </u>
Arginine 6.92 g 28.02 g 6.27 g				•
Histidine 4.13 g 16.72 g 3.74 g				•
Taurine 0.18 g 0.74 g 0.17 g	raurine	0.18 g	0.74 g	0.17 g

### Joint and Skin Support Vet Directed Diet 14 oz, 72 oz Fresh Frozen



#### **DIET OVERVIEW**

Joint and Skin Support incorporates nutraceuticals that promote healthy joints and connective tissues, and improve skin dryness, in human studies: Natural hydrolyzed collagen, chondroitin sulfate, and hyaluronic acid. This recipe is a pork and quinoa based, novel protein, low residue, select ingredient diet formulated to meet the key nutritional factors for the nutritional management of **Joint Disease**, **Atopic Dermatitis**, **Pruritus**, **Chronic Gastroenteritis**, and **Inflammatory Bowel Disease** in dogs:

- Highly Digestible, Hypoallergenic Protein Source
- · High Protein, Low Fat
- · High Quality, Hypoallergenic Carbohydrate Sources
- Increased Anti-inflammatory ingredients, including Kale and Omega 3 Fatty Acids<sup>1, 2, 3</sup>
- Formulated with Natural Hydrolyzed Collagen, Chondroitin Sulfate, Hyaluronic Acid
- Balanced for long-term feeding under veterinary supervision

<sup>1</sup>Baddaky-Taugbol B et al. (2005) A randomised, controlled, double-blinded, multicentre study on the efficacy of a diet rich in fish oil and borage oil in the control of canine atopic dermatitis. Advances of Veterinary Dermatology 5: 173-187.

<sup>2</sup>Campell KL (1993) Clinical use of fatty acid supplements in dogs. Vet Derm 4: 167-173.

<sup>3</sup>Wagner AE, Terschluesen AM, Rimbach G (2013) Health Promoting Effects of Brassica-Derived Phytochemicals: From Chemopreventative and Anti-Inflammatory Activities to Epigenetic Regulation. Oxid Med Cell Longev. 2013: 964539. doi: 10.1155/2013/964539.

#### **DIET INDICATIONS**

- Aguired Osteoarthritic Joint Disease
- Food allergy
- \*Inflammatory bowel disease (IBD)4,5
- Congenital Joint Disease
- Atopic Dermatitis, Diet Elimination Trial
- \*Irritable bowel syndrome (IBS)<sup>4, 5</sup>

#### **CONTRAINDICATIONS**

· Sensitivity to any of the ingredients

Growing puppies

#### **INGREDIENTS**

- **Pork Tenderloin** is inspected and approved by the USDA for human consumption. It is a complete and lean novel protein loaded with many essential vitamins (thiamin, niacin, B6, Riboflavin and B12) and minerals (phosphorus, potassium, selenium, zinc, calcium, iron and manganese).
- Quinoa, also known as the ancient grain, is actually more of a legume. It is a seed related to beets, chard and spinach, which contains many powerful anti-inflammatory phytonutrients. It is high in protein, fiber, magnesium, folate, phosphorus and manganese.
- **Kale** is high in antioxidants, including vitamin C, beta-carotene and manganese, and contains anti-inflammatory phytonutrients known to control the inflammatory process.
- Carrots are full of antioxidant compounds and are one of the richest sources of the pro-vitamin A carotenes. The antioxidant compounds help to prevent inflammatory disease
- Fuji Apples are palatable and high in antioxidants and fiber. Apples are also high in quercetin, an anti-inflammatory compound.
- Coconut Oil contains medium chain triglycerides (MCTs), which have been shown to increase the liver's efficiency at metabolizing energy from fat, helping to maintain dogs at their ideal weight.
- Hydrolyzed Collagen: Collagen is a complex structural protein mostly found in fibrous tissues such as tendons, ligaments, cartilage, bone and skin. Hydrolyzed collagen is a highly bioavailable form of collagen made up of amino acids needed to form collagen. Human research on hydrolyzed collagen has shown favorable effects on

<sup>&</sup>lt;sup>4</sup> German AJ, Hall EJ, Day MJ. Chronic intestinal inflammation and intestinal disease in dogs. J Vet Intern Med. 2003;17:8–20.

<sup>&</sup>lt;sup>5</sup> World J Gastroenterol. 2010 March 7; 16(9): 1050-1056. Published online 2010 March 7. doi: 10.3748/wjg.v16.i9.1050.

<sup>\*</sup> For best results, JFFD Probiotic Live is recommended as a supplement for these conditions. For full details on Probiotic Live, please visit: http://justfoodfordogs.com/supplements/probiotic-super.html

#### **INGREDIENTS (Cont.)**

joint mobility and skin dryness.

- Chondroitin Sulfate is considered a promising treatment for osteoarthritis in humans and dogs. Clinical trials in humans and some animals suggest that chondroitin may have significant effects on joint mobility and pain when compared to placebo.
- **Hyaluronic Acid** is a natural structural component of skin and connective tissue of animals and humans. The key to this ingredient lies in its ability to retain moisture within the joint. It's considered to have a greater capacity to hold moisture than any other natural polymer, lubricating joints and providing comfort.
- Olive Oil is high in essential fatty acids including linoleic and linolenic acids. Olive oil has been shown to mimic the effects of anti-inflammatory drugs.
- **Icelandic Premium Fish Oil** is sourced direct from the world's cleanest, purest, and greenest sources. This exclusive supplement is pure, potent, natural and detoxified, and provides Omega 3 fatty acids in highly biologically available forms of EPA and DHA.
- **JFFD Nutrient Blend** is formulated specifically to meet NRC standards. The blend is compounded from 100% human grade nutraceuticals regulated by the FDA.

#### **NUTRITIONAL SUITABILITY STATEMENT**

This diet has been formulated for the long-term nutritional management of osteoarthritis, dermatology diseases, inflammatory bowel disease, and/or food allergy. For use under direction of a veterinarian.

Compare to: F	Guaranteed As F		Dry Matter			
Kcal/kg: 1104	Kcal/oz: 31	g/1	1000kcal: 906	Protein	10.0%	41.0%
Metabolizable	JFFD	2014 RC Mobility Support	2014 Hills j/d	Fat	3.0%	12.0%
Energy % from:	Carb	7.0%	31.0%			
Protein	Fiber	2.0%	8.0%			
Fat	37.0%	19.0%	39.0%	Ash	2.0%	8.0%
Carbohydrates	Moisture	76.0%				
Calcium-Phosphorus ratio:				1.1:1		
Omega 6: Omega 3 ratio:			3:1			

Nutritional Information averages according to USDA SR27 database. Nutritional information for items not available in USDA SR27 originates from manufacturers and independent lab analyses.

Royal Canin® is a trademark of Royal Canin USA, Inc. Hill's® Prescription is a trademark of Hill's Pet Nutrition, Inc.

#### RECOMMENDED DAILY FEEDING GUIDE (feeding amount per day)

For best results it is recommended that pet owners weigh the food in ounces using a digital scale. If they do not have a scale, they may estimate volume in cups per the chart below. The chart is only a guide; always adjust feeding recommendations based on careful monitoring of the weight of the patient.

Wt (lbs)	Oz (wt)	Cups (est)	Wt (lbs)	Oz (wt)	Cups (est)
5 - 10	5 - 9	0.75 – 1.0	75 - 80	41 - 43	5.0 - 5.5
15 - 20	12 - 15	1.5 - 2.0	85 - 90	45 - 47	5.75
25 - 30	18 - 20	2.25 - 2.5	95 - 100	49 - 51	6.0 - 6.25
35 - 40	23 - 26	3.0 - 3.25	110 - 115	54 - 56	6.75 – 7.0
45 - 50	28 - 30	3.5 - 3.75	120 - 125	58 - 60	7.25 – 7.5
55 - 60	32 - 35	4.0 - 4.25	130 - 135	62 - 64	7.75 – 8.0
65 - 70	36 - 39	4.5 – 4.75	140 - 145	65 - 67	8.25 - 8.5