



**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:**

- Made 100% with ingredients approved for human consumption
- Incorporates bioavailable nutraceuticals: Type II Collagen, Chondroitin Sulfate and Hyaluronic Acid
- Novel protein: USDA pork tenderloin
- Low omega 6:3 ratio to reduce inflammation and support the skin barrier
- Can also be used to manage gastric pathology, including IBD, food responsive gastroenteritis or food allergy

*“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

Nutrient	/kg As Fed	/kg Dry Matter	/1000 kcals
Protein	106 g	399 g	89 g
Total lipid (fat)	37 g	141 g	31 g
Carbohydrates (NFE)	109 g	411 g	91 g
Fiber, total dietary	19 g	72 g	16 g
Sugars, total	15 g	55 g	12 g
Calcium, Ca	1820 mg	6851 mg	1.52 g
Iron, Fe	17 mg	62 mg	14 mg
Magnesium, Mg	392 mg	1476 mg	0.33 g
Phosphorus, P	1565 mg	5891 mg	1.31 g
Potassium, K	2881 mg	10843 mg	2.41 g
Sodium, Na	686 mg	2583 mg	0.57 g
Zinc, Zn	28 mg	105 mg	23 mg
Copper, Cu	2.70 mg	10.18 mg	2.26 mg
Manganese, Mn	4.20 mg	15.79 mg	3.51 mg
Selenium, Se	216 $\hat{A}\mu\text{g}$	815 $\hat{A}\mu\text{g}$	181 mg
Iodine, I	0.41 mg	1.53 mg	0.34 mg
Vitamin B1	3.20 mg	12.04 mg	2.67 mg
Vitamin B2	2.64 mg	9.93 mg	2.20 mg
Vitamin B3	29.75 mg	111.99 mg	24.86 mg
Vitamin B5	8.82 mg	33.20 mg	7.37 mg
Vitamin B6	3.53 mg	13.30 mg	2.95 mg
Folate	196 $\hat{A}\mu\text{g}$	736 $\hat{A}\mu\text{g}$	164 mg
Choline	958 mg	3604 mg	800 mg
Vitamin B12	16 $\hat{A}\mu\text{g}$	59 $\hat{A}\mu\text{g}$	13 $\hat{A}\mu\text{g}$
Vitamin A	47556 IU	179003 IU	39730 IU
Vitamin E	30 mg	112 mg	37 IU
Vitamin D	206 IU	774 IU	172 IU
EPA	0.79 g	2.96 g	0.66 g
DHA	0.57 g	2.16 g	0.48 g
Linoleic Acid	6.12 g	23.02 g	5.11 g
Arachidonic Acid	0.21 g	0.81 g	0.18 g
Linolenic Acid	0.57 g	2.14 g	0.48 g
Tryptophan	2.00 g	7.54 g	1.67 g
Threonine	5.10 g	19.19 g	4.26 g
Isoleucine	5.30 g	19.94 g	4.43 g
Leucine	9.30 g	35.00 g	7.77 g
Lysine	7.18 g	27.01 g	5.99 g
Methionine - Cystine	3.39 g	12.76 g	2.83 g
Phenylalanine - Tyrosine	8.69 g	32.69 g	7.26 g
Valine	5.68 g	21.36 g	4.74 g
Arginine	7.45 g	28.04 g	6.22 g
Histidine	4.18 g	15.72 g	3.49 g
Taurine	0.21 g	0.79 g	0.17 g
Joint Care Plus	1.2 g	4.4 g	1.0 g

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



## DIET OVERVIEW

Joint and Skin Support incorporates Joint Care Plus, our joint supplement that provides type II collagen, chondroitin sulfate and hyaluronic acid. Our source of type II collagen is a patented formula with published clinical studies proving efficacy. [1] This limited ingredient, low residue recipe is 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 Quality, Hypoallergenic Carbohydrate Sources
- Increased Anti-Inflammatory Ingredients, Including Kale and Omega 3 Fatty Acids<sup>1, 2, 3</sup>
- Formulated with Type II Collagen [1], Chondroitin Sulfate and Hyaluronic Acid
- Balanced For Long-Term Feeding Under Veterinary Supervision
- High Protein, Low Fat

[1] KollaGen II-xs is a trademark of Certified Nutraceuticals, Inc and is protected by U.S. patent #8,344,106. Data on file, JustFoodForDogs LLC

<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, Terschluessen 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

- Acquired Osteoarthritic Joint Disease
- Food allergy
- \*Inflammatory Bowel Disease (IBD)<sup>4, 5</sup>
- Congenital Joint Disease
- Atopic Dermatitis, Diet Elimination Trial
- \*Food Responsive Gastroenteritis<sup>4, 5</sup>

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

\* 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>

## 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 and 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 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.
- **Type II Collagen** is a naturally occurring source of the most bioavailable and researched components of hyaline joint cartilage, the delicate, clear, glass-like tissue that protects bone and is found in most joints. Human research on type II collagen has shown favorable effects on joint inflammation and mobility, range of motion and pain.

## INGREDIENTS (Cont.)

- **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.
- **JustFoodForDogs 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.

Caloric Information Compare to: Royal Canin® Mobility Support JS and Hills® j/d				Guaranteed Analysis As Fed		Dry Matter
Kcal/kg: 1196	Kcal/oz: 34	g/1000Kcal: 836		Protein	10%	40%
Metabolizable Energy % from:	JFFD Joint & Skin Support	2017 RC Mobility Support	2018 Hills j/d	Fat	3%	12%
Protein	41%	25%	17%	Carb	8.5%	34%
Fat	32%	29%	40%	Fiber	1.5%	6%
Carbohydrates	27%	46%	43%	Ash	2%	8%
				Moisture	75%	---
Calcium-Phosphorus ratio:				1.2:1		
Omega 6: Omega 3 ratio:				3:1		
Nutritional information averages primarily from independent lab analysis, supplemented with information originating from the USDA SR28 database.						

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)
<b>5 - 10</b>	4 - 7	0.75 - 1.25	<b>75 - 80</b>	32 - 34	5.25 - 5.5
<b>15 - 20</b>	10 - 12	1.5 - 2.0	<b>85 - 90</b>	35 - 37	5.75 - 6.0
<b>25 - 30</b>	14 - 16	2.25 - 2.75	<b>95 - 100</b>	38 - 40	6.25 - 6.5
<b>35 - 40</b>	18 - 20	3.0 - 3.25	<b>110 - 115</b>	43 - 44	7.0 - 7.25
<b>45 - 50</b>	22 - 24	3.75 - 4.0	<b>120 - 125</b>	45 - 47	7.5 - 7.75
<b>55 - 60</b>	25 - 27	4.25 - 4.5	<b>130 - 135</b>	48 - 50	8.0 - 8.25
<b>65 - 70</b>	29 - 30	4.75 - 5.0	<b>140 - 145</b>	51 - 52	8.5 - 8.75