

Braham & Murray

Collabear Farm, Tawstock, North Devon, EX31 3JZ
01271 858 377
www.hemp-ingredients.com

Ingredient Description for ANIMAL FEEDS

Cold Pressed Hemp Seed Oil

“Superior source of Omega 3 and GLA”

Description	One of the healthiest oils available. Developed over 10 years in the UK. High in g-linolenic acid and stearadonic acid, the biologic metabolites of LA and ALA, respectively, which none of the other commonly utilised vegetable oils in animal diets contain. Due to metabolic competition between the two EFAs for access to the -6 desaturase to convert LA and ALA to g-Linolenic acid (GLA) and Stearadonic acid (SDA), respectively, the presence of both GLA and SDA in hempseed oil allows this enzymatic step with -6-desaturase to be efficiently bypassed. Hemp Seed Oil is the most potent source of Omegas from a vegetarian source and has none of the Dioxins and Toxins often found in fish oils.
Uses	Efficient source of dietary energy with improved power to weight ratio. Enhances stamina as result of muscle glycogen sparing Mitigates Acideamia during high intensity exercise Decreases metabolic heat production Low risk source of energy ideal for horses at risk of Gastric Ulcers, Hind- Gut Acidosis, Azoturia, Laminitis and Colic. Ideal for Pregnant mares in late gestation with appetite but increased energy requirement.
Process	Product of Cold Pressing HUMAN FOOD GRADE Natural Hemp Seed.
Traceability	Pressed from seed produced by Messrs Braham & Murray in the UK and EU exclusively for human food consumption and complying with B&M Specification.
Colour	Natural/Light Green
Density	0.9224 kg/l
Free From	Pesticides & Herbicides Gluten GMO Toxins & Dioxins Lactose Nuts Sesame Any known Allergens
Suitable For	All animals Vegans (Approved by Vegan Society) Vegetarians (Approved by Vegetarian Society) Lactose Intolerant Diets
Other Information	Locally Produced Product of highly sustainable crop Excellent environmental credentials

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Ingredient Nutritional Data

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Typical Nutritional Values per 100ml			
Energy			3700kj/900kcal
Protein			nil
Carbohydrate			nil
Fat:			
Saturates			9.4ml
Monunsaturates			12.7ml
	Omega 9	12.3ml	
Polyunsaturates			77.9ml
	Omega 6	57.7ml	
	Omega 3	18.6ml	
Sodium			nil

Ingredient Fatty Acid Profile Data

Cold Pressed Hemp Seed Oil

Typical Fatty Acids by GC	
Saturated Fatty Acids	13.90%
Palmitic Acid (16:0)	7.40%
Margaric Acid (17:0)	0.10%
Stearic Acid (18:0)	4.30%
Arachidic Acid (20:0)	1.50%
Behenic Acid (22:0)	0.60%
Monounsaturated Fatty Acids	18.90%
Palmitoleic Acid (16:1)	0.20%
Oleic Acid (18:1) n9	17.90%
Eicosenic Acid (20:1)	0.80%
Polyunsaturated Fatty Acids	67.20%
Linoleic Acid (18.2) n6	43.90%
Alpha Linolenic Acid (18:3) n3	17.40%
Gama Linolenic Acid (18:3) n6	4.10%
Steriodonic Acid (18:4) n3	1.70%