

## FEMAS Materials/Additives List

The following products have been put on our existing FEMAS certificate (Schedule of Registration held by PAI). They are as follows:

Feed Materials	Product Code	Reference Number
*Alfalfa Powder	P01102	6.10.1
*Aloe Vera Extract 200:1	P10364	06137-EN
*Apple Pectin	P01253	5.27.1
Astragalus root powder	P01296	01818-EN
*Boswellia Powder	P02158	05321-IT/05320-EN
*Brewers Yeast Powder	P02167	12.1.15
*Carrot Powder	P03163	4.3.1
*Cayenne Powder	P0311	01406-EN
*Calcium Carbonate	P0302	11.1.1
*Chlorella Powder	P03214	02651- EN
Chondroitin Sulphate	P0325	13.12.2
Chondroitin Sulphate 90% Marine	P03230	13.12.2
Citrus Bioflavonoids 60%	P03329	02618-EN
*Citrus Pectin	P01237	5.27.1
Cranberry Extract	P03449	04035-EN
*Dextrose monohydrate	P04039	13.2.2
*Fenugreek Powdered Seed	P0602	3.5.1
Garlic Powder	P07065	4.5.1
Glucosamine	P0716	13.2.8

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FDA number: 16806073982

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Registered in England No: 3590758 VAT No: GB 711 6598 32

Registered office: 203 Lancaster Way Business Park, Ely, Cambridgeshire, CB6 3NX, UK.

## Feed Materials Continued

Feed Materials	Product Code	Reference Number
*Glucosamine HCL Vegetarian (fermented)	P07166	13.2.8
*Glutamine Peptide Powder	P07245	04344-EN
Green Tea Extract	P0736	02196-EN
*Inulin Powder (Beneo Orafti® ST)	P09025	4.4.9
Magnesium Amino Acid Chelate	P13026	02326-EN
Magnesium Aspartate	P13018	03087-EN
*Magnesium Oxide	P1305	11.2.1
Milk Thistle Seed Powder	P13225	01970-EN
*Maltodextrin	P13014	13.3.6
MSM	P1319	13.9.1
*Ribose (D)	P18037	04424-EN
Slippery Elm Powder	P19152	01117-EN
Slippery Elm Bark (Inner bark)	P1961	01117-EN
*Sweet Potato Powder	P1950	4.9.1
*Soy Lecithin	P1920	03198-EN
*Spirulina Powder	P1921	00514-DE
*Palatinose	P22109	4.1.6
*Whey Protein Powder 35%	P2303	8.17.1
Whey Protein Instant 90%	P23037	8.17.1

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## Feed Additives

Feed Additives	Product Code	Reference Number	Sub classification or Code
*Acacia Gum	P0101	1 E414	Emulsifying and stabilizing agents, thickeners and gelling agents
*Arginine (L)	P0119	3c	Amino acids, their salts and Analogues
*Arginine (L)	P01218	3c361	Amino acids, their salts and analogues
Artichoke Extract	P01210	2b	Natural products botanically defined
Artichoke Extract	P01215	2b	Natural products botanically defined
Artichoke Extract	P01211	2b	Natural products botanically defined
*Bentonite	P10210	1m558	Substances for the reduction of the contamination of feed by mycotoxins.
*Calcium Lactate	P03085	1a	Preservatives
*Carnitine (L)	P0313	3a	Vitamins and pro vitamins
Choline Chloride	P03223	3a	Vitamins and pro-vitamins
*Citric Acid Anhydrous (12-40 Mesh)	P0329	1a	Preservative
*Citric Acid Anhydrous (30-100 Mesh)	P11940	1a	Preservative
*Citric Acid Mono (8-80 Mesh)	P0330	1a	Preservative
*Curcumin 95% Curcumin	P03497	2b	Natural products – botanically defined
Devils Claw Extract 5%	P04035	2b	Natural products – botanically defined
*Ferrous Fumarate	P0603	3b	Trace elements
Ginkgo Biloba Extract 24/6	P07102	2b	Natural products – botanically defined

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*Glycine (L)	P0728	2b	Flavouring compounds Emulsifying and stabilizing agents, thickeners and gelling agents
*Guar Gum	P0737	1 E412	
<b>Feed Additives Continued</b>			
*Inositol	P0902	3a900	Vitamins, provitamins and chemically well-defined substances having similar effect
*Lysine mono HCL	P1210	3c	Amino acids, their salts and analogues
*Malic Acid (DL)	P11375	1a	Preservatives
*Methionine (L-)	P1317	3c	Amino acids, their salts and Analogues
*Methionine (DL)	P1316	3c	Amino acids, their salts and Analogues
Phenylalanine (L)	P1608	2b	Natural or corresponding synthetic chemically defined flavourings
*Potassium Sorbate	P16175	1a	Preservatives
Rosehip Extract 20:1	P18052	2b	Natural products botanically defined Vitamins and pro-vitamins
*Taurine (L)	P20030	2b	Natural or corresponding synthetic chemically defined flavourings
Tyrosine (L)	P2010	3c	Amino acids, their salts and Analogues
Vanillin	P22023	2b	Natural or corresponding synthetic chemically defined flavourings
*Sodium Selenite Anhydrous	P19194	E 8	Trace elements

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*Vitamin A Retinol Acetate 325,000iu/g CWS	P2203	3a672a	Vitamins and provitamins and chemically well-defined substances having similar effect
*Vitamin B3 (nicotinamide)	P22104	3a315	Vitamins and provitamins and chemically well-defined substances having similar effect
<b>Feed Additives Continued</b>			
*Vitamin C	P2213	3a	Vitamins and pro-vitamins
Vitamin K	P2233	3a711	Vitamins and pro-vitamins chemically well defined
*Vitamin D3 Cholecalciferol 100,000 iu/gm	P2217	E 671	Vitamins and provitamins
*Vitamin B6 (Pyridoxine) HCl	P2211	3a831	Vitamins and provitamins
*Vitamin B1 (Thiamine) HCl	P2204	3a820	Vitamins and provitamins
*Vitamin B6 Hcl DC 98%	P22112	3a831	Vitamins and provitamins

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## Change History

Version	Change
1	First Issue
1-16	Pre change control history
17	New format
18	Cobalt Sulphate Heptahydrate added
19	Removal of grape seed extract
20	Pumpkin powder added
21	Calcium Lactate added
22	Taurine from 2b to 3a
23	Ginkgo leaf removed
24	Dextrose Monohydrate added
25	Slippery Elm added, Vanillin removed
26	Removed Apple Pectin
27	Removed Green Lipped Mussel
28	Bovine Colostrum added
29	Product codes added to the scope. Astragalus root powder – P01296, Brewers Yeast DC Grade P02167, Milk Thistle Seed Powder – P13225 and Vegetarian Glucosamine HCL (Fermented) – P07166 added to the scope.
30	Psyllium Husk Powder – P16095 & Citrus Pectin – P01237 added
31	Phenylalanine (L) – P1608 added

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32	Boswellia Powder – P02158 added
33	Choline Chloride – P03223
34	Bovine Colostrum – P03401
35	Amended a clerical error on Rosehip Extract 20:1, the code was listed as P18037 when it should have been P18052.
36	Slippery Elm Bark Powder (Inner bark) – P1961 – Added
37	Vanillin – P22023, L – Arginine – P01218 – Added.
38	Added Devils Claw Extract 5% - P04035, Citrus Bioflavonoids – P03329, Vitamin K – P2233, Bentonite – P10210. Remove Vitamin K – P2221 (P2233 replaced).
39	Alfalfa Powder – P01102 added to the scope
40	Removed from the scope Fennel Seed Powder – P06031, Cobalt Sulphate Heptahydrate – P03343, Activated Charcoal – P01048, Borage Oil – P0213, Bitter Melon Extract 4.1 – P11005, Devils Claw Extract – P0403,
41	Added Apple Pectin – P01253 & Carnitine (L) – P0313
42	Bromelain – P02172 removed, instruction from the FSA.
43	Aniseed Oil (Pimpinella anisum) – P01160 removed from the scope.
44	Added DL-Malic Acid – P11375
45	Added Vitamin B3 (Nicotinamide) – Bulk Density 0.65cm <sup>3</sup> P22104, Vitamin A Retinol Acetate 325,000iu/g CWS P2203, Vitamin D3 Cholecalciferol 100,000 iu/gm (0.25%) P2217, Sodium Selenite Anhydrous (Selenium Min 45%) P19194, Vitamin B2 Riboflavin 95% DC P22091, Vitamin B2 (Riboflavin) 100% P2209, Vitamin B2 Riboflavin 5 Phosphate P22095
46	Added Fenugreek Powdered Seed - P0602, • Vitamin B6 (Pyridoxine) HCl – P2211, Vitamin B1 (Thiamine) HCl – P2204, Vitamin B6 Hcl DC 98% - P22112
47	Added Palatinose – P22109. Removed P16095 – Psyllium Husk Powder

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48	Added Ginkgo Biloba Extract 24/6 – P07102, Calcium Carbonate – P0302, Citric Acid Anhydrous – P0329, Citric Acid Anhydrous (30-100 Mesh) – P11940, Citric Acid Mono (8-80 Mesh) – P0330.
49	Added Whey Protein Instant 90% - P23037. Added P01215 Artichoke Extract
50	Added P10364 Aloe Vera Extract 200:1
51	Official listings for the following materials have been updated Chondroitin Sulphate – P0325 Hyaluronic Acid – P08029 Taurine (L) – P20030. Removed - Zinc Amino Acid Chelate – P2600. Added - Methionine (L-) - P1317 - Artichoke Extract 5% Caffeoylquinic acid - P01211.
52	Removed Pumpkin powder – P16243, Vitamin B2 Riboflavin 95% DC – P22091, Vitamin B2 (Riboflavin) 100% - P2209, Vitamin B2 Riboflavin 5 Phosphate (0.25%) – P22095. Added - Whey Protein Powder 35% - P2303.
53	Removed Hyaluronic Acid - P08029.
54	The following materials have been added to the scope: Methionine (DL-) – P1316, Glycine (L) – P0728, Lysine HCL – P1210, Acacia Gum – P0101, Cayenne Powder – P0311, Cayenne Powder – P0311, Curcumin 95% Curcumin – P03497, Inositol – P0902, Ferrous Fumarate BP – P0603, Guar Gum – P0737, Magnesium Oxide – P1305, Sweet Potato Powder – P1950.

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55	The following materials have been added to the scope: Chondroitin Sulphate 90% Marine - P03230, Inulin Powder – P09025.
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\*indicates assured at source.

### Document Approval

Originator	Approver
<b>P Barnhill</b>  Quality Manager	<b>Shannon McKenna</b>  Assistant Quality Manager
<small>x</small> 06/06/2019 10:45 - DocsVault	<small>x</small> 06/06/2019 10:55 - DocsVault

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