

List of operational pertaining to GMP+FSA B10 certification

Laboratory name : Darling Ingredients Nederland B.V.
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 Visiting address : Kanaaldijk - Noord 20-21 5691 NM Son
 GMP+ registration number : GMP008441
 Effective date : July 24, 2019

No.	Operation	Material/matrix					
		Feed materials	Feed	Premix	Fats and oils	Minerals	Milk and milk products as feed material
Additives and veterinary drugs							
1. Antibiotics							
1.01	Spiramycin						
1.02	Avoparcin						
2. Coccidiostats and other medical substances							
2.01	Amprolium						
2.02	Ethopabate						
2.03	Dinitolmide (DOT)						
2.04	Dimetridazole						
2.05	Robenidine						

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2.06	Ronidazole						
2.07	Metichlorpindol						
2.08	Methylbenzoquate						
2.09	Lasalocid-sodium						
2.10	Halofuginone						
2.11	Nicarbazin						
2.12	Monensin, narasin and salinomycin						
2.13	Dicazuril						
2.14	Maduramycin						
3. Vitamins							
3.01	Vitamin A						
3.02	Vitamin E						
4. Traces elements							
4.01	Iron-FE						

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4.02	Copper-Cu						
4.03	Manganese-Mn						
4.04	Zinc-Zn						
4.05	Cobalt-Co						
5. Growth promoters							
5.01	Carbadox						
5.02	Olaquinox						
6. Enzymes							
6.01	Phytase						
7. Veterinary drugs							
7.01	Furazolidone						
7.02	Sulfadimidine-sodium						
7.03	Sulfanomides						

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8. Other							
8.01	Antibacterial inhibition test						
Undesirable substances and products; micro organic properties							
9. Undesirable substances and products							
9.01	Aflatoxin B1						
9.02	Deoxynivalenol						
9.03	Ochratoxin A						
9.04	Zearalenon						
9.05 Q	Determination of ruminant material in animal products using Reveal-test	X					

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9.05 Q	Determination of ruminant DNA using real-time PCR (EURL-AP Method)	X					
9.06	Animal products not heated						
9.07	Arsenic						
9.08	Fluor						
9.09	Mercury						
9.10	Lead						
9.11	Nickel						
9.12	Nitrite and nitrate						
9.13	Theobromine						
9.14	Prussic acid						
9.15	Glucosinates						
9.16	Pesticides/ PCBs						
9.17	PCBs						

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9.18	Microscopic identification of animal origin						
9.19	Polyethylene						
9.20	Fatty acids (methyl esters)						
9.21	Mineral oil						
9.22 Q	Insoluble impurities				X		
9.23	Polymeric triglycerides						
9.24	Dioxins						
9.25	Dioxin-like PCBs						
9.26	Volatile mustard oil						
9.27	Gossypol						
9.28 Q	Water-soluble chlorides	X					
9.29	Unsaponifiable substances						

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10. Microbiology							
10.01a Q	Clostridia perfringens	X					
10.01b Q	Sulphite reducing Clostridia	X					
10.02 Q	Salmonella using PCR method	X			X		
10.03 Q	Enterobacteriaceae	X			X		
10.04	Yeast and molds						
10.05	Sulphite reducing bacteria						
10.06	Listeria						
10.07 Q	Aerobic mesophilic count	X			X		
10.08a Q	E. coli	X					
10.08b Q	Coliforms	X					

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10.09	Staphylococcus aureus						
Weende-analysis; bioproteins; nutritional properties							
11. Weende, minerals							
11.01 Q	Moisture	X					
11.02 Q	Crude fat	X					
11.03a Q	Crude protein	X					
11.03b Q	Crude protein soluble in pepsin HCL	X					
11.04 Q	Ash	X					
11.05	Crude fiber						
11.06	Starch enzymatic						
11.07	Sugars						
11.08	Potassium						

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11.09	Sodium						
11.10 Q	Phosphor	X					
11.11	Magnesium						
11.12	Calcium						
11.13	Starch						
11.14	Trypsin inhibitors activity						
11.15 Q	Peroxide value	X			X		
11.16 Q	FFA/Free fatty acids				X		
11.17 Q	Water and volatile matter				X		

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12. Bioproteins							
12.01	Amino acids						
12.02	Tryptophan						
Other contaminants							
13. Chemical							
13.01	Biogenic amines TVN (total free nitrogen) Free NH3 (ammoniac)						
13.02	Cadmium						
13.03	Crolataria						
13.04	Erucic acid (C22:1)						
13.05	Heptachlor						
13.06	Ergot (Claviceps purpurea)						

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13.07	Weed seeds Lolium temulentum L. Lolium remotum Schrank Datura stramonium L.						
13.08	Polycyclic Aromatic Hydrocarbons (PAHs)						
13.09	Ricinus-Ricinus communis L.						
13.10	Sulphate						
13.11	Vinylthioxazolidone (Vinylloxazolidone thion)						
14. Physical							
14.01	Plastics						
14.02	Apricots- Prunus armeniaca L.						

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14.03	Bitter almond- Prunus dulcis (Mill.)						
14.04	Beech unpeeled seeds- Fagus silvatica L.						
14.05	Chinese mustard- Brassica juncea L.						
14.06	Ethiopian mustard- Brassica carinata A. Braun						
14.07	Indian mustard- Brassica juncea L.						
14.08	Mowrah, Bassia, Madhuca- Madhuca longifolia L. Macbr.						
14.09	Purging nut- Jatropha cocas L.						
14.10	Purging croto- Croton tiglium L.						
14.11	Indian mustard- Brassica juncea L.						

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14.12	Camelina sativa- Camelina sativa L.						
14.13	Black mustard- Brassica nigra L. Koch						
Other analyses							