

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: L 172

of **Nutreco Nederland B.V.**
Masterlab

This annex is valid from: **23-06-2021** to **01-08-2022**

Replaces annex dated: **05-05-2021**

Location(s) where activities are performed under accreditation

Head Office

Veerstraat 38
5831 JN
Boxmeer
The Netherlands

Location	Abbreviation/ location code
Veerstraat 38 5831 JN Boxmeer The Netherlands	B
Centrale Extractie Locatie (CEL) Olivier van Noortlaan 120 3133 AT Vlaardingen The Netherlands	CEL

No.	Material or product	Type of activity¹	Internal reference number	Location
Sampling preparation				
a.	Human nasal and/or throat swabs	Sample receipt, preparation, RNA extraction and transport	FENELAB-SOP-004 in-house method	CEL

This annex has been approved by the Board of the
Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

¹ If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on [RvA-BR010-lijst](#).
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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No.	Material or product	Type of activity ¹	Internal reference number	Location
Inorganic analyses				
1.	Animal feeding stuffs ¹ , premixes/ premixtures and concentrates	Determination of the content of total Sulphur; combustion with oxygen and infrared detection	DMS-04019 in-house method	B
2.	Animal feeding stuffs containing soya, raw material for animal feeding stuffs, soya and soya products	Determination of Trypsin inhibitors activity; colorimetric	DMS-04032 NEN-EN-ISO 14902 (soya and soya products) in-house method (Animal feeding stuffs containing soya, raw material for animal feeding stuffs)	B
3.	Raw material for animal feeding stuffs, soya and soya products	Determination of Urease activity; potentiometric	DMS-04035 NEN 3557 (soya and soya products) in-house method (raw material for animal feeding stuffs)	B
4.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of Chlorine(Cl), potentiometric/titrimetric	DMS-04033 in-house method	B
5.	Oil and fats	Determination of the content of free Fatty Acids; titrimetric	DMS-04034 NEN-EN-ISO 660 (§9.3)	B
6.	Animal feeding stuffs ¹ , oil and fats	Determination of the Peroxide number; titrimetric	DMS-04015 in-house method	B
7.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of Arsenic, Selenium, Cadmium, Lead en Mercury; ICP-MS (after pressure digestion)	DMS-04037 in-house method	B
8.		Determination of the content of Calcium (Ca) Phosphor (P), Potassium (K), Sodium (Na), Magnesium (Mg), Zinc (Zn), Manganese (Mn), Copper (Cu), Iron (Fe), Nickel (Ni), Cobalt (Co), Chromium (Cr); ICP-MS (after pressure digestion, dry ashing and hydrochloric extraction)	DMS-04038 in-house method	B

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No.	Material or product	Type of activity ¹	Internal reference number	Location
9.	Premixes/ premixtures, feedingstuffs and raw material for (animal) feedingstuffs	Determination of the content of Calcium (Ca) Phosphor (P), Potassium (K), Sodium (Na), Magnesium (Mg), Zinc (Zn), Manganese (Mn), Copper (Cu), Iron (Fe); ICP-OES (after pressure digestion, dry ashing and hydrochloric extraction)	DMS-04017 in-house method	B
Inorganic analyses (wet chemistry)				
10.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of crude Ash; gravimetric	DMS-03995 Regulation (EG) no. 152/2009, annex III M (Animal feeding stuffs ¹) in-house method (premixes/premixtures)	B
11.	Animal feeding stuffs ¹	Determination of the content of insoluble Ash; gravimetric	DMS-03939 Regulation (EG) no. 152/2009, annex III N	B
12.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of crude Protein and total Nitrogen; Kjeldahl	DMS-03971 Regulation (EG) no. 152/2009, annex III C (Animal feeding stuffs ¹) in-house method (premixes/premixtures)	B
13.	Animal feeding stuffs ¹	Determination of pH, potentiometric	DMS-03987 in-house method	B
14.		Determination of the content of crude Fat; after acidic hydrolysis, gravimetric	DMS-03976 Regulation (EG) no. 152/2009, annex III H method B	B
15.		Determination of the content of crude Fat; after Soxlet extraction, gravimetric	DMS-03977 Regulation (EG) no. 152/2009, annex III H method A (single animal feeding stuffs/raw material for animal feeding stuffs of vegetable origin) in-house method (other animal feeding stuffs and raw material for animal feeding stuffs)	B

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16.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of Moisture; gravimetric	DMS-03968 Regulation (EG) no. 152/2009, annex III A (Animal feeding stuffs, raw material for animal feeding stuffs moisture content <50%) in-house method (Animal feeding stuffs, raw material for animal feeding stuffs moisture content >50% and premixes/premixtures)	B
17.	Animal feeding stuffs ¹	Determination of the content of Starch according to Ewers; polarimetric	DMS-03983 Regulation (EG) no. 152/2009, annex III L	B
18.		Determination of the content of crude Fiber; gravimetric	DMS-03967 NEN-EN-ISO 6865	B
19.		Determination of the content of pepsin digestible crude Protein; enzyme treatment/Kjeldahl	DMS-039 90 NEN-ISO 6655	B
20.	Animal feeding stuffs ¹ , milk and milk products	Determination of the content of Protein; Dumas method dry ashing	DMS-03940 NEN-EN-ISO 14891 (milk and milk products) NEN-EN-ISO 16634-1 (Animal feeding stuffs ¹)	B
21.	Animal feeding stuffs ¹	Determination of the content of total sugar (as glucose or sucrose) according to Luff Schoorl; titrimetry	DMS-03982 Regulation (EG) no. 152/2009, annex III J (animal feeding stuffs and raw material for animal feeding stuffs) in-house method (extraction and execution analysis: Regulation (EG) no. 152/2009, annex III J) (by-products)	B

Organic Analysis

22.	Animal feeding stuffs ¹ , oil and fats	Determination of the content of BHT/BHA; HPLC with UV-detection	DMS-04103 in-house method	B
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No.	Material or product	Type of activity ¹	Internal reference number	Location
23.	Animal feeding stuffs ¹ , premixes/ premixtures and oil and fats	Determination of the content of Ethoxyquin; HPLC with Flu-detection	DMS-04084 in-house method	B
24.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of free Vitamin C + dehydro Vitamin C after derivatization; HPLC with Flu-detection	DMS-04045 in-house method	B
25.		Determination of the content of Vitamin C phosphate after derivatization; HPLC with Flu-detection	DMS-04046 in-house method	B
26.	Animal feeding stuffs ¹ , premixes/ premixtures, oil and fats	Determination of the content of Vitamin A and Vitamin E; HPLC with UV- and Flu-detection	DMS-04049 in-house method	B
27.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of Vitamin B1; HPLC post-column reaction with Flu-detection and Vitamin B2; HPLC with Flu-detection	DMS-04061 in-house method	B
28.	Animal feeding stuffs ¹	Determination of the content of Tryptophan (free and total); HPLC with Flu detection	DMS-04079 in-house method	B
29.		Determination of the content of biogenic amines (Cadaverine, Putrescine and Histamine); HPLC with UV-detection	DMS-04104 in-house method	B
30.	Fish and fish products	Determination of the content of histamine; HPLC with UV-detection	DMS-04104 in-house method (disclosure and measurement: NEN-EN-ISO 19343)	B
31.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of Astaxanthin (total) and Canthaxanthin; HPLC with UV-detection	DMS-04062 in-house method	B

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No.	Material or product	Type of activity ¹	Internal reference number	Location
32.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the amino acids pattern; HPLC amino acid analyser with post-column ninhydrin derivation and photometric detection. - Alanine - Arginine - Asparaginezuur - Glycine - Histidine - Iso-leucine - Leucine - Lysine - Phenylalanine - Proline - Serine - Threonine - Tyrosine - Glutaminezuur - valine - Cystine - Methionine	DMS-04075 in-house method	B
33.		Determination of the amino acids pattern shortened; HPLC amino acid analyser with post-column ninhydrin derivation and photometric detection. - Cystine - Methionine - Threonine - Lysine	DMS-04076 in-house method	B
34.		Determination of the Fatty Acid pattern; GLC with FID detection	DMS-04106 NPR-CEN-ISO/TS 17764-1 NPR-CEN-ISO/TS 17764-2	B
35.	Animal feeding stuffs ¹	Determination of the content of Melamine and cyanuric acid; LC-MS/MS	DMS-04098 in-house method	B
36.		Determination of the content of the sum of aflatoxin (B1, B2, G1, G2), vomitoxin (DON), Zearalenone; ROSA rapid-test	DMS-04010 in-house method	B
37.	Animal feeding stuffs, raw material for (animal) feeding stuffs and oil and fats	Determination of the content of malachite green, leuco-malachite green, crystal violet, leuco-crystal violet en brilliant green; LC-MS/MS	DMS-04095 in-house method	B
38.	Animal feeding stuffs ¹ , premixes/ premixtures	Determination of the content of salinomycine; LC-MS/MS	DMS-04100 in-house method	B

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39.	Animal feeding stuffs and raw materials for (animal) feeding stuffs	Determination of mycotoxins Aflatoxin B1, Deoxynivalenol (DON), Fumonisin B1, Fumonisin B2, Ochratoxine A, Zearalenone, T-2, HT-2; LC-MS/MS	DMS-70861 in-house method	B
Photometric Analyses				
40.	Compound feed and raw materials of compound feed	Determination of the content of crude protein, crude fat, moisture, crude fiber, starch and sugar; Near Infrared spectrometry (NIRS)	DMS-03951 NEN-EN-ISO 12099	B
41.		Determination of the content of crude ash; Near Infrared spectrometry (NIRS)	DMS-03951 in-house method	B
Microbiological analyses				
42.	Animal feeding stuffs ¹ and meat (products)	Detection of <i>Salmonella</i> ; PCR	DMS-77825 NEN-EN-ISO 6579-1 (AFNOR BRD 07/06-07/04)	B
43.	Down, faeces, environment from poultry	Detection of <i>Salmonella</i> ; MSRV	DMS-03993 NEN-EN-ISO 6579-1	B
44.	Animal feeding stuffs ¹ , Meat from poultry and meat products	Detection of <i>Salmonella</i> ; MSRV	DMS-03993 NEN-EN-ISO 6579-1	B
45.	Down, faeces, environment from poultry	Detection of <i>Salmonella</i> ; PCR	DMS-77825 NEN-EN-ISO 6579-1 (AFNOR BRD 07/06-07/04)	B
46.	<i>Salmonella</i> cultures	Serotyping of <i>Salmonella</i> ; agglutination reaction according the White-Kauffmann-Le Minor schedule S. Enteritidis, S. Agona, S. Typhimurium, S. Paratyphi B var. Java, S. Mbandaka, S. Lexington, S. Infantis, S. Senftenberg, S. Livingstone, S. Hadar, S. Heidelberg, S. Montevideo, S. Virchow, S. Indiana	DMS-03992 NPR-CEN-ISO/TR 6579-3	B

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47.	Human nasal and/or throat swabs	Detection of SARS-CoV-2 virus; real time RT-PCR	FENELAB-SOP-018 and DMS-101537 Journal of Clinical Virology 128 (2020) 104412	B

Microscopical analyses

48.	Animal feeding stuffs ¹	Determination of the composition of Mixtures; microscopy	DMS-03950 in-house method	B
49.	Raw material for animal feeding stuffs	Determination of the purity of single raw materials; microscopy	DMS-03945 in-house method	B
50.	Animal feeding stuffs ¹	Control of Mixtures; microscopy	DMS-03946 in-house method	B
51.		Determination of the constituents of animal origin; microscopy	DMS-03943 Regulation (EG) no. 152/2009, annex VI	B
52.	Raw material for animal feeding stuffs	Identification; microscopy	DMS-03948 in-house method	B

1) animal feedings stuffs¹ is defined here as: animal feeding stuffs and raw material for (animal) feeding stuffs and by-products