Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 059**

of **T.L.R. Technisch Laboratorium Rotterdam B.V.**

This annex is valid from: **31-08-2022** to **01-02-2024** Replaces annex dated: **22-06-2022**

Location(s) where activities are performed under accreditation

Head Office

Handelsweg 70
2988 DD
Ridderkerk
The Netherlands

Location	Abbreviation/ location code
Handelsweg 70 2988 DB Ridderkerk The Netherlands	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
		Sampling		
a.	Vegetables, fruits and herbs and spices	Sampling for pesticide residue monitoring (with internal reference number TL512.40)	TL102.01 EU 2002/63	R
		Sample pre-treatment for several parameters		
b.	Solid mineral fuels	Sample preparation of solid mineral fuels for analysis of physical/chemical parameters	TL222.02 NEN-ISO 18283 NEN-ISO 13909-4	R

[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.

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

J.A.W.M. de Haas

No.	Material or product	Type of activity[1]	Internal reference number	Location
c.	Biomass (wood, residues from food and tobacco industry for generating energy, solid biofuels and solid secondary biofuels	Sample preparation of biomass, solid biofuels and solid secondary biofuels for analysis of physical/chemical parameters	TL272.01 NEN-EN-ISO 14780 NEN-EN 15443	R
		Inorganic analyses (wet-chemical/physical)		
1.	Animal feeding stuffs	Determination of moisture (4 hours drying at 103°C); gravimetric method	TL312.01A EC 152/2009 Annex III-A VDLUFA III (3.1)	R
2.	Raw materials for animal feeding stuffs	Determination of moisture (4 hours drying at 103°C); gravimetric method	TL312.01A in-house method	R
3.	Cereals, flours, groats and meal	Determination of moisture (2 hours drying at 130°C); gravimetric method	TL312.01C EC 152/2009 Annex III-A VDLUFA III (3.1)	R
4.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of moisture (2 hours drying at 130°C); gravimetric method	TL312.01C in-house method	R
5.	Compound feeding stuffs containing more than 4% of sucrose or lactose and compound feeding stuffs containing more than 25% of mineral salts including water of crystallisation	Determination of moisture (at 80°C in a vacuum oven); gravimetric method	TL312.01D TL312.01B EC 152/2009 Annex III-A VDLUFA III (3.1)	R
6.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of moisture (at 80°C in a vacuum oven); gravimetric method	TL312.01D TL312.01B in-house method	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
7.	Meat and meat products	Determination of the content of moisture; Gravimetric method	TL312.01F NEN-ISO 1442	R
8.	Fish and fish products	Determination of the content of moisture; Gravimetric method	TL312.01F in-house method	R
9.	Single animal feed of plant origin	Determination of crude fat (direct extraction); gravimetric method	TL312.02A EC 152/2009 Annex III-H, method A VDLUFA III (5.1.1), procedure A	R
10.	Raw material for animal feeding stuffs and animal feeding stuffs	Determination of crude fat (direct extraction); gravimetric method	TL312.02A in-house method	R
11.	Single animal feed of animal origin, all composed feeding stuffs and products of which the fat content cannot be obtained without acid hydrolysis	Determination of fat (acid hydrolysis); gravimetric method	TL312.02B EC 152/2009 Annex III-H, method B VDLUFA III (5.1.1), procedure B	R
12.	Raw material for animal feeding stuffs and animal feeding stuffs	Determination of fat (after acid hydrolysis); gravimetric method	TL312.02B in-house method	R
13.	Meat and meat products	Determination of the content of fat (after acid hydrolysis); gravimetric method	TL312.02D NEN-ISO 1443	R
14.	Fish and fish products	Determination of the content of fat (after acid hydrolysis); gravimetric method	TL312.02D in-house method	R
15.	Animal feeding stuffs	Determination of crude protein; titrimetric method	TL312.03A EC 152/2009 Annex III-C VDLUFA III (4.1.1)	R
16.	Raw materials for animal feeding stuffs	Determination of crude protein; titrimetric method	TL312.03A in-house method	R
17.	Soybeans and soybean products	Determination of Protein Dispersibility Index (PDI); titrimetric method	TL312.03B AOCS Official method Ba 10-65	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
18.	Meat and meat products	Determination of the nitrogen content (calculated as protein); titrimetric method	TL312.03C NEN-ISO 937	R
19.	Fish and fish products	Determination of the nitrogen content (calculated as protein); titrimetric method	TL312.03C in-house method	R
20.	Oil seeds and raw material for animal feeding stuffs	Determination of the content of crude protein; DUMAS	TL312.03G NEN-EN-ISO 16634-1	R
21.	Cereals, legumes and ground grain products	Determination of the content of crude protein; DUMAS	TL312.03G NEN-EN-ISO 16634-2	R
22.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of crude fibre content; gravimetric method	TL312.04A NEN-EN-ISO 6865 EC 152/2009 Annex III-I VDLUFA III (6.1.1)	R
23.	Animal feeding stuffs	Determination of crude ash; gravimetric method	TL312.05 EC 152/2009 Annex III-M VDLUFA III (8.1)	R
24.	Raw materials for animal feeding stuffs	Determination of crude ash; gravimetric method	TL312.05 in-house method	R
25.	Meat and meat products	Determination of the content of ash; gravimetric method	TL312.05B NEN-ISO 936	R
26.	Fish and fish products	Determination of the content of ash; gravimetric method	TL312.05B in-house method	R
27.	Animal feeding stuffs	Determination of starch; polarimetric method	TL312.06A EC 152/2009 Annex III-L VDLUFA III (7.2.1)	R
28.	Raw materials for animal feeding stuffs	Determination of starch; polarimetric method	TL312.06A in-house method	R
29.	Animal feeding stuffs	Determination of sugar; titrimetric method	TL312.07 EC 152/2009 Annex III-J, VDLUFA III (7.1.1)	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
30.	Raw materials for animal feeding stuffs	Determination of sugar; titrimetric method	TL312.07 in-house method	R
31.	Animal feeding stuffs	Determination of ash insoluble in hydrochloric acid (sand/silica); gravimetric method	TL312.05 EC 152/2009 Annex III-N	R
32.	Other raw materials for animal feeding stuffs	Determination of ash insoluble in hydrochloric acid (sand/silica); gravimetric method	TL312.05 in-house method	R
33.	Animal and vegetable fats and oils	Determination of acid value and acidity (free fatty acid / FFA); titrimetric method	TL382.10A ISO 660 Method 9.1 NEN-EN 14104	R
34.		Determination of moisture and volatile matter content; gravimetric method	TL382.15 NEN-EN-ISO 662	R
35.		Determination of iodine value; titrimetric method	TL382.14 ISO 3961 NEN-EN 14111	R
36.	Animal and vegetable fats and oils	Determination of unsaponifiable matter; diethyl ether extraction	TL382.19 NEN-EN-ISO 3596	R
37.		Determination of peroxide value; titrimetric method	TL382.24A NEN-EN-ISO 3960	R
38.		Determination of insoluble impurities content; gravimetric method	TL382.22 NEN-EN-ISO 663	R
39.		Determination of saponification value; titrimetric method	TL382.28 NEN-EN-ISO 3657	R
40.	Soybean products	Determination of urease activity; titrimetric method	TL312.22 ISO 5506 NEN 3557	R
41.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of urease activity; titrimetric method	TL312.22 in-house method	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
42.	Fish and fish products	Determination of the content of total volatile basic nitrogen (TVB-N); titrimetric method	TL312.24 EU2074/2005 section II, chapter III	R
43.	Vegetables and vegetable products	Determination of nitrate; ion-exchange chromatography	TL412.11 NEN-EN 12014-2	R
44.	Fruits	Determination of nitrate; ion-exchange chromatography	TL412.11 in-house method (analysis NEN-EN 12014-2)	R
45.	Cereals, wheat, rye and their flours	Determination of the falling number; Hagberg-Perten	TL312-09 NEN-EN-ISO 3093	R
46.	Food	Determination of sulfite; Monier Williams	TL412.10 NEN-EN 1988-1	R
47.	Animal feeding stuffs and raw materials for animal feeding stuffs	Determination of fluoride (F) and chloride (Cl); ion-exchange chromatography	TL412.14 in-house method	R
48.	Cereals, fruits and vegetables	Determination of inorganic bromide (Br); ion-exchange chromatography	TL412.14 NEN-EN 13191-2	R
49.	Animal feeding stuffs	Determination of fluoride content after hydrochloric acid treatment; ionsensitive electrode method (ISE)	TL412.18 NEN-EN 16279	R
		Inorganic analyses (elementanalyses)		
50.	Foodstuffs	Determination of iodine; ICP-MS	TL412.12D NEN-EN 15111	R
51.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of iodine; ICP-MS	TL412.12D in-house method (analysis NEN-EN 15111)	R
52.	Foodstuffs of plant and marine origin	Determination of total inorganic arsenic; HPLC-ICP-MS	TL412.01A NEN-EN 16802 draft	R
53.	Food, oils and fats	Determination of elements; after digestion (HNO_3) and ICP-MS cadmium (Cd), lead (Pb), arsenic (As)	TL412.12 digestion: NEN-EN 13805 analysis: NEN-EN 15763	R

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No.	Material or product	Type of activity[1]	Internal reference number	Location
54.	Foodstuffs oils and fats	Determination of elements; after digestion (HNO_3) and ICP-MS vanadium (V), cobalt (Co), nickel (Ni)	TL412.12 in-house method (digestion-NEN-EN 13805)	R
55.	Raw materials for animal feeding stuffs and animal feeding stuffs, oils and fats	Determination of elements; after digestion (HNO_3) and ICP-MS cadmium (Cd), lead (Pb), arsenic (As), vanadium (V), cobalt (Co), nickel (Ni)	TL412.12 in-house method	R
56.	Food, animal feeding stuffs and raw materials for animal feeding stuffs	Determination of the content of elements; after digestion (HNO_3) and ICP-MS sodium (Na), potassium (K), magnesium (Mg), zinc (Zn), calcium (Ca), phosphorus (P), manganese (Mn), aluminium (Al), iron (Fe), copper (Cu), chromium (Cr)	TL412.16 in-house method	R
57.	Animal feeding stuffs and raw materials for animal feeding stuffs	Determination of mercury (Hg); direct thermal decomposition CV-AAS	TL412.17 NEN-EN 16277	R
58.	Foodstuffs	Determination of mercury (Hg); direct thermal decomposition CV-AAS	TL412.17 NEN-EN 15763	R
59.	Animal and vegetable fats and oils	Determination of the content of elements and ICP-MS silver (Ag), arsenic (As), calcium (Ca), cadmium (Cd), chromium (Cr), copper (Cu), iron (Fe), potassium (K), magnesium (Mg), manganese (Mn), molybdenum (Mo), sodium (Na), nickel (Ni), phosphorus (P), lead (Pb), antimony (Sb), selenium (Se), tin (Sn), titanium (Ti), vanadium (V) and zinc (Zn)	TL412.19 in-house method	R

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No.	Material or product	Type of activity[1]	Internal reference number	Location
		Organic analyses		
60.	Animal feeding stuffs, non- fatty crops[1], oleaginous seeds, fats and oils	Determination of the content of PAH's and PCB's; GPC-LC-LVI-GCMS Naphtalene PCB 28 Phenantrene PCB 52 Antracene PCB 101 Fluoranthene PCB 118 Chrysene PCB 153 Acenaphtene PCB 138 Acenaphthylene PCB 180 Fluorene Sum of benzo(k)- and benzo(b)fluoranthene Benzo(a)pyrene Benzo(ghi)perylene Benzo(a)anthracene Indeno(1,2,3-cd)pyrene Pyrene Dibenzo(a,h)antracene	TL512.04 in-house method	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
61.	Low-fat foods, low-fat animal feed, low-fat materials for food and animal feeding stuffs	Determination of content of PAHs and PCBs; GC-MS/MS naphthalene 1-Methylnaphthalene 2-Methylnaphthalene Acenaphthylene acenaphthene Fluorene Phenanthrene Anthracene Fluoranthene Pyrene Benzo(c)fluorene Benzo(a)anthracene Chrysene 5-Methylchrysene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(j)fluoranthene Benzo(e)pyrene Benzo(a)pyrene Dibenzo(a,h)anthracene Indeno(1,2,3-c,d)pyrene Benzo(g,h,i)perylene Dibenzo(a,l)pyrene Dibenze(a,e)pyrene Dibenzo(a,i)pyrene PCB 18 PCB 28 PCB 31 PCB 44 PCB 52 PCB 101 PCB 118 PCB 138 PCB 149 PCB 153 PCB 170 PCB 180	TL512.04A In-house method	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
62.	Animal and vegetable fats and oils	Determination of PAH's; DACC-HPLC-fluorescence detector 5-methylchrysene Acenaphthene Anthracene Benz[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[c]fluorene Benzo[ghi]perylene Benzo[j]fluoranthene Benzo[k]fluoranthene Chrysene Dibenz[a,h]anthracene Dibenzo[a,e]pyrene Dibenzo[a,l]pyrene Fluoranthene Indeno[1,2,3-cd]pyrene Phenanthrene Pyrene	TL512.04B NEN-EN-ISO 22959	R
63.	Food, feed and their raw materials	Determination of PAH's; DACC-HPLC-fluorescence detector 5-methylchrysene Acenaphthene Anthracene Benz[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Benzo[c]fluorene Benzo[ghi]perylene Benzo[j]fluoranthene Benzo[k]fluoranthene Chrysene Dibenz[a,h]anthracene Dibenzo[a,e]pyrene Dibenzo[a,l]pyrene Fluoranthene Indeno[1,2,3-cd]pyrene Phenanthrene Pyrene	TL512.04B in-house method (performance sample pre-treatment: in-house method, performance analysis: NEN-EN-ISO 22959)	R
64.	Food (vegetables and fruits), raw materials for foodstuffs, animal feeding stuffs and raw materials for feeding stuffs	Determination of mycotoxins; LC-MS/MS Deoxynivalenol (DON) / Vomitoxine 3-acetyl-DON Fumonisin B1 Fumonisin B2 Aflatoxine B1 Aflatoxine B2 Aflatoxine G1 Aflatoxine G2 α-Zearalenol β-Zearalenol Diacetoxyscripenol DAS) Zearalenon (ZEA) Ochratoxine A (OTA) Sterigmatocystin HT-2 Toxine T-2-Toxine	TL512.03 in-house method	R

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65.	Apples and apple products	Determination of patulin content; LC-MS/MS	TL512.07 in-house method	R
66.	Spices and spice extracts	Determination of dyes; LC-MS/MS Rhodamine B CAS 81-88-9 Butter yellow CAS 60-11-7 Fast Garnet GBC CAS 97-56-3 Para Red CAS 6410-10-2 Toludine Red CAS 2425-85-6 Sudan Red G CAS 1229-55-6 Sudan Red7B CAS 6368-72-5 Sudan I CAS 842-07-9 Sudan II CAS 3118-97-6 Sudan III CAS 85-86-9 Sudan IV CAS 85-83-6	TL512.08 in-house method	R
67.	Animal feeding stuffs, raw materials for feeding stuffs and milk powder	Determination of melamine and cyanuric acid; LC-MS/MS	TL512.09 in-house method	R

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No.	Material or product	Type of activity[1]	Internal reference number	Location
68.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of dioxins (PCDD's), dibenzufurans (PCDF's), non-ortho-PCB's and mono-ortho PCB's: GC-HRMS *Dibenzo-p-dioxins (PCDD's):* 2,3,7,8-TCDD 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8 HpCDD OCDD *Dibenzofurans (PCDF's)* 2,3,7,8-TCDF 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF *Non-ortho-PCB's* PCB 77 PCB 81 PCB 126 PCB 169 *Mono-ortho-PCB's* PCB 105 PCB 114 PCB 118 PCB 123 PCB 156 PCB 157 PCB 167 PCB 189	TL512.10B NEN-EN 16215, EC 771/2017	R

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No.	Material or product	Type of activity[1]	Internal reference number	Location
69.	Oils and fats from plant animal origin and eggs	Determination of dioxins (PCDD's), dibenzufurans (PCDF's), non-ortho-PCB's and mono-ortho PCB's: GC-HRMS *Dibenzo-p-dioxins (PCDD's):* 2,3,7,8-TCDD 1,2,3,7,8-PeCDD 1,2,3,4,7,8-HxCDD 1,2,3,6,7,8-HxCDD 1,2,3,7,8,9-HxCDD 1,2,3,4,6,7,8 HpCDD OCDD *Dibenzofurans (PCDF's)* 2,3,7,8-TCDF 1,2,3,7,8-PeCDF 2,3,4,7,8-PeCDF 1,2,3,4,7,8-HxCDF 1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDF 2,3,4,6,7,8-HxCDF 1,2,3,4,6,7,8-HpCDF 1,2,3,4,7,8,9-HpCDF OCDF *Non-ortho-PCB's* PCB 77 PCB 81 PCB 126 PCB 169 *Mono-ortho-PCB's* PCB 105 PCB 114 PCB 118 PCB 123 PCB 156 PCB 157 PCB 167 PCB 189	TL512.10B in-house method (analysis NEN-EN 16215 and EU 644/2017)	R
70.	Oils and fats from plant origin	Determination of mineral oil (C10-C40); GC-FID	TL512.17 VVR-bundle feed part II OSP 15	R
71.		Determination of mineral oil (C10-C25); GC-FID	TL512.17 in-house method (analysis: VVR-bundle feed part II OSP 15)	R
72.	Raw materials for animal feeding stuffs	Determination of mineral oil (C10-C40); GC-FID	TL512.17 in-house method (analysis: VVR-bundle feed part II OSP 15)	R
73.	Non-fatty crops1	Determination of dithiocarbamate and thiuramdisulfide residues (as CS2); GC-MS	TL512.19 NEN-EN 12396-2	R
74.	Non-fatty food of plant origin	Determination of chlormequat and mepiquat; LC-MS/MS	TL512.12 NEN-EN 15055	R

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75.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of chlormequat and mepiquat; LC-MS/MS	TL512.12 in-house method (analysis: NEN-EN 15055)	R
76.	Foodstuffs of plant origin, glycerine, fatty acids, feed and its raw materials	Analysis of ethanol and methanol; headspace-analysis GC-MS	TL512.32 in-house method	R
77.	Crops[3] (except rice and rice products)	Determination of didecyl dimethyl ammonium chloride (DDAC) and benzalkonium-chloride (BAC); LC-MS/MS	TL512.31 in-house method	R
78.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of hydrocyanic acid; LC-MS/MS	TL512.30 NEN-EN 16160	R
79.	Food and feed and their raw materials	Determination of glyphosate; LC-MS/MS	TL512.15 in-house method	R
80.	Crops[3], food (including potatoes, vegetables and fruits), foodstuffs (including eggs, meat and fish), raw materials for foodstuffs, food and feed and their raw materials	Determination of polar pesticide content; LC-MS/MS method Phosponic acid, Chlorate, Perchlorate, fosetyl, Ethephon-hydroxy (HEPA), Ethephon, Glufosinate, N-Acetyl-glufosinate.	TL512.18 in-house method	R

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81.	Animal feed and animal feedingstuffs	Determination of antibiotics, coccidiostatics en anthelminthics; LC-MS/MS **Antibiotics:** **β-lactam penicillins:** Amoxicillin, Ampicillin, Penicillin G, Penicillin V, Cloxacillin, Dicloxacillin, Nafcillin, Oxacillin, Cefalexin, Cefapirin, Cefquinome, Cefradine, Ceftiofur, Cefuroxime, Cefalotin, Cefazolin, Cefoperazone. **Quinolons:** Ciprofloxacin, Danofloxacin, Difloxacin, Enrofloxacin, Flumequine, Marbofloxacin, Nalidixic acid, Norfloxacin, Oxolinic acid, Sarafloxacin, Cinoxacin. **Macrolids:** Erythromycin, Spiramycin, Tilmicosin, Tylosin, Tylvasolin, Gamithromycin, Josamycin **Fenicols:** Thiamphenicol, Florfenicol, Chloramphenicol **Tetracyclins:** Chlortetracycline, Doxycycline, Oxytetracycline, Tetracycline **Pluromulin:** Tiamulin, Valnemulin **Lincosamids:** Lincomycin **Sulfonamids:** Sulfabenzamide, Sulfachloropyridazine, Sulfadimethoxine, Sulfadiazine (=Sulfapyrimidin), Sulfadimidine (=Sulfamethazin), Sulfadoxine, Sulfamerazine, Sulfamethizole, Sulfamethoxazole, Sulfamethoxypyridazine, Sulfamonomethoxine, Sulfamoxole, Sulfaquinoxaline, Sulfathiazole, Sulfisoxazole, Dapsone. **Other:** Trimethoprim, Zinc Bacitracin **Coccidiostatics:** Clopidol (=Meticlorpindol), Amprolium, Halofuginone, Robenidine, Decoquinate, Salinomycin, Narasin, Maduramicin, Lasalocid, Monensin, Diclazuril, Nicarbazin **Anthelminthics:** Flubendazole **Macrolids/Streptogramins:** Virginiamycin M1, Virginiamycin S1	TL512.38B in-house method	R
82.	Poppy seed	Determination of morphine and codeine; LC-MS/MS	TL512.14 in-house method	R

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83.	Food (including fruits & vegetables), feed and their raw materials; from plant origin	Determination of diquat and paraquat; LC-MS/MS	TL512.49 in-house method	R
		Microbiological analyses		
84.	Animal feeding stuffs and food	Enumeration of Bacillus cereus at 30°C; streak plate, MYP	TL752.05 NEN-EN-ISO 7932	R
85.		Enumeration of β-glucuronidase-positive Escherichia coli at 44°C; streak plate, TBX	TL752.06 NEN-ISO 16649-2	R
86.	Animal feeding stuffs, food and environmental samples	Detection of Salmonella; RVS and MKTTn	TL762.01A NEN-EN-ISO 6579-1	R
87.	Animal feeding stuffs and food	Detection of Salmonella (qualitative analysis); PCR	TL762.01D NEN-EN-ISO 6579: (AFNOR TRA 02/12-01/09)	R
88.		Enumeration of micro-organisms (Aerobic plate count) at 30°C; pour plate, PCA	TL752.04 NEN-EN-ISO 4833-1	R
89.		Enumeration of Enterobacteriaceae at 37°C; pour plate, VRBG	TL752.02 NEN-EN-ISO 21528-2	R
90.	Food (except garlic), animal feed	Detection of Salmonella; qualitative analysis test real-time PCR	TL762.01E NEN-EN-ISO 6579-1 (Microval 2011-LR40)	R
91.	Animal feeding stuffs and food products	Enumeration of Enterobacteriaceae at 37°C; colony count technique	TL752.02B NEN-EN-ISO 21528-2: (AFNOR 3M 01/6-09/97)	R
92.	Food and animal feeding stuffs (product with a water activity >0,95)	Enumeration of yeasts and moulds at 25°C; streak plate DRBC	TL752.03C NEN-ISO 21527-1	R

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93.	Animal feeding stuffs and food (product with a water activity ≤0,95)	Enumeration of yeasts and moulds at 25°C; plate, culture medium DG-18	TL752.03B NEN-ISO 21527-2	R
94.	Animal feeding stuffs and food	Enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) at 37°C; streak plate, BP-RPF	TL752.09 NEN-EN-ISO 6888-2	R
95.		Enumeration of Clostridium perfringens at 37°C; pour plate, TSC	TL752.10 NEN-EN-ISO 7937	R
96.		Enumeration of mesophilic lactic acid bacteria at 30°C; streak plate, MRS	TL752.11 ISO 15214	R
97.	Food, except dairy products and raw shellfish	Enumeration of micro-organisms (Aerobic plate count) at 30°C, reading after 48 hours; colony count technique	TL752.04B NEN-EN-ISO 4833: (AFNOR 3M 01/1-09/89)	R
98.	Food	Enumeration of β-glucuronidase-positive Escherichia coli at 42°C; colony count technique	TL752.06B NEN-EN-ISO 16649-2: (AFNOR 3M 01/08-06/01)	R
99.	Food, except raw shellfish	Enumeration of Coliforms at 37°C; colony count technique	TL752.15 NEN-EN-ISO 4832: (AFNOR 3M 01/2-09/89A)	R
100.	Animal feeding stuffs and food	Enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) at 37°C; colony count technique	TL752.09B NEN-EN-ISO 6888-2 (AFNOR 3M 01/09-04/03B)	R
101.	Food products and environmental samples	Detection of Listeria monocytogenes; qualitative analysis, half Fraser	TL762.20A NEN-EN- ISO 11290-1 (AFNOR BRD 07/16-01/09)	R
102.	Animal feeding stuffs and raw materials for feeding stuffs	Detection of Listeria monocytogenes; qualitative analysis, half Fraser	TL762.20A in-house method (AFNOR BRD 07/16-01/09)	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
103.	Food products and environmental samples	Enumeration of Listeria monocytogenes; at 37°C; AL	TL752.20B NEN-EN ISO 11290-2 (AFNOR BRD 07/17-01/09)	R
104.	Animal feeding stuffs and raw materials for feeding stuffs	Enumeration of Listeria monocytogenes; at 37°C; AL	TL752.20B in-house method (AFNOR BRD 07/17-01/09)	R
105.	Salmonella isolates from animal feeding stuffs, food products and environmental samples	Molecular serotyping of *Salmonella*; PCR and DNA-microarray	TL762.14 AOACcertificate 121001 OIEcertificate 20010106	R
106.	Meat and meat products, potatoes, vegetables and fruits, seeds and beans (except garlic and citrus fruits) and environmental samples (spent irrigation water)	Screening for Shigatoxin producing Shigella and/or E. coli (STEC/EHEC) bacteria; qualitative analysis, real-time PCR	TL762.34 in-house method	R
107.		Confirmation and serotyping of pooled and individual E. coli (STEC/EHEC) suspected colonies on stx and eae genes and serotypes (O26, O45, O103, O104, O111, O121, O145, O157, O174); qualitative analysis, real-time PCR and PCR melting curve analysis	TL762.34 in-house method	R
108.	Animal feeding stuffs and raw materials for feeding stuffs	Detection of Campylobacter qualitative analysis; Bolton, mCCDA and; chromogene plate	TL762.18 NEN-EN-ISO 10272-1 (Microval MV2008LR12)	R
109.	Foodstuffs (fruits, vegetables and shell fish)	Qualitative detection of the Norovirus (GI and GII); real-time RT-PCR	TL762.43A/B/C NEN-EN-ISO 15216-2	R
110.		Qualitative detection of Hepatitis A; real-time RT-PCR	TL762.43A/B/C NEN-EN-ISO 15216-2	R
111.	Food	Detection of botulinum type A, B, E and F neurotoxin-producing clostridia; real-time-PCR	TL762.50 in-house method	R

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 059**

of **T.L.R. Technisch Laboratorium Rotterdam B.V.**

This annex is valid from: **31-08-2022** to **01-02-2024** Replaces annex dated: **22-06-2022**

No.	Material or product	Type of activity[1]	Internal reference number	Location
112.	Human nasal and or throat swabs	Detection of SARS-CoV-2 virus; Real-time RT-PCR	TL762.44 Journal of Clinical Virology 128 (2020 104412 Eurosurveillance, Volume 25, Issue 3, 23, 2020	R
		Analyses allergen		
113.	Raw materials, spices and processed products	Quantitative determination of gluten (gliadin x2); ELISA	TL742.19 AOAC-method 2012.01 (extraction R5-Mendez method)	R
114.	Food	Quantitative determination of casein; ELISA	TL742.16 in-house method	R
115.		Quantitative determination of the allergen soya; sandwich ELISA	TL742.38 in-house method	R
116.		Quantitative determination of the allergen peanut; sandwich ELISA	TL742.51 in-house method	R
		Analyses Genetically Modified organisms		
117.	Soybean products	Quantitative analysis of Roundup Ready Soya (GMO); PCR	TL742.08C in-house method	R
118.	Singular and pure raw materials (soybean products, maize products, rice products, sugar beet products, flax seed products, rapeseed products, potato products and cotton)	Screening for Genetically Modified Crops (GMO); PCR	TL742.07B in-house method	R
119.	Soybean products	Quantitative analysis of Roundup Ready 2 Yield (MON 89788) Soya (GMO); PCR	TL742.67 in-house method	R
		Microscopic analyses		

No.	Material or product	Type of activity[1]	Internal reference number	Location
120.	Raw materials for animal feeding stuffs and animal feeding stuffs	Determination of stone shell content in palm- and coconut products; visually microscopic and gravimetric method	TL612.01 in-house method	R
121.		Determination of Datura species content; visually microscopic and gravimetric method	TL612.03 in-house method	R
122.		Determination of product-specific admixture; visually microscopic and gravimetric method	TL612.02 in-house method	R
123.		Determination the content of Castor seed husks; visually microscopic and gravimetric method	TL612.04 ISO 5061	R
124.	Animal feeding stuffs	Determination of the constituents of animal origin; microscopic method	TL612.06 EG 152/2009, Annex VI	R
125.	Raw materials for animal feeding stuffs	Determination of the constituents of animal origin; microscopic method	TL612.06 in-house method (analysis EG 152/2009, ANNEX VI)	R
		Solid mineral fuels: Physical / chemical parameters		
126.	Coal	Determination of total moisture content; gravimetric method	TL422.01B NEN-ISO 589, Method B1	R
127.		Determination of the crude swelling number (FSI); comparison method	TL422.08 NEN- ISO 501	R
128.		Determination of hardgrove grindability index (HGI); gravimetric method	TL422.07 NEN-ISO 5074	R
129.	Solid mineral fuels	Determination of ash; gravimetric method	TL422.03 NEN- ISO 1171	R
130.	Coal and cokes	Determination of volatile matter content; gravimetric method	TL422.02 NEN-ISO 562	R
131.	Solid mineral fuels	Determination of carbon (C), hydrogen (H); element analyser	TL422.05 ASTM D 5373 NEN-ISO 29541	R
132.		Determination of nitrogen (N); element analyser	TL422.05 NEN-ISO 29541	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
133.		Determination of sulphur (S); element analyser	TL422.05 in-house method	R
134.		Determination of moisture in the analysis test sample; gravimetric method	TL422.01A NEN-ISO 11722	R
135.		Determination of gross caloric value; bomb caloric method	TL422.04 NEN-ISO 1928	R
136.	Coal and cokes	Determination of fusibility of ash; high temperature tube method	TL432.01 NEN-ISO 540	R
137.	Other solid mineral fuels	Determination of fusibility of ash; high temperature tube method	TL432.01 in-house method	R
138.	Solid fuels	Determination of fluoride (F) and chloride (Cl); ion-exchange chromatography	TL412.13 in-house method	R
139.	Biomass (wood, residues from food and tobacco industry for generating energy), solid biofuels and solid secondary fuels	Determination of total moisture; gravimetric method	TL422.01C NPR-CEN-TS 15414-1 NEN-EN-ISO 18134-1	R
140.		Determination of moisture in the analysis test sample; gravimetric method	TL422.01A NEN-EN 15414-3 NEN-EN-ISO 18134-3	R
141.		Determination of ash; gravimetric method	TL422.03 NEN-EN-ISO 18122 NEN-EN 15403	R
142.		Determination of volatile matter content; gravimetric method	TL422.02 NEN-EN-ISO 18123 NEN-EN 15402	R
143.		Determination of carbon (C), nitrogen (N), hydrogen (H); element analyser	TL422.05 NEN-EN 15407 NEN-EN-ISO 16948	R
144.		Determination of fluoride (F); IC method	TL412.13 in-house method	R
145.		Determination of gross caloric value; bomb caloric method and calculation of net caloric value	TL422.04 NEN-EN-ISO 18125 NEN-EN 15400	R

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No.	Material or product	Type of activity[1]	Internal reference number	Location
146.	Solid biofuels and solid secondary fuels	Determination of total content of sulphur (S) and chlorine (Cl); tube furnace and ion-exchange chromatography	TL412.13 NEN-EN-ISO 16994	R
147.		Determination of ash melting behaviour; characteristic temperatures method	TL432.01B NPR-CEN/TS 15370-1	R
148.		Determination of mechanical durability of pellets and briquettes; pellets tester	TL272.03 NEN-EN-ISO 17831-1	R
149.		Determination of bulk density; standard measuring container	TL272.04 NEN-EN-ISO 17828	R
150.		Determination of particle size distribution; Vibrating screen method using sieve apertures of 3,15 mm and below	TL272.05A NEN-EN-ISO 17827-2	R
151.		Determination of particle size distribution of disintegrated pellets; disintegration in hot water sieve apertures of 3,15 mm and below	TL272.05B NEN-EN-ISO 17827-2 NEN-EN-ISO 17830	R
152.		Determination of length and diameter of pellets; calliper	TL612.07 NEN-EN-ISO 17829	R
153.	All other pellets	Determination of length and diameter of pellets; calliper	TL612.07 in-house method (analysis: NEN-EN-ISO 17829)	R
154.	Solid biofuels and solid secondary fuels, coal, cokes and fly ash	Determination of ash composition; after ashing at 815°C, total digestion and ICP-MS sodium (Na), magnesium (Mg), aluminium (Al), silicon (Si), phosphorus (P), potassium (K), calcium (Ca), sulphur (S), titanium (Ti), iron (Fe), manganese (Mn)	TL432.02 in-house method	R
155.	Solid biofuels and solid secondary fuels	Determination of various metals; after digestion and ICP-MS cadmium (Cd), lead (Pb), arsenic (As), vanadium (V), cobalt (Co), nickel (Ni)	TL412.12 digestion and analysis: NEN-EN-ISO 16968	R
156.	Solid biofuels and solid secondary fuels	Determination of mercury (Hg); mercury analyser	TL412.17 NEN-EN-ISO 16968	R

No.	Material or product	Type of activity[1]	Internal reference number	Location
157.	Solid biofuels	Determination of mercury (Hg); mercury analyser	TL412.17 ASTM D6722-01 NEN-ISO 15237	R
158.	Solid biofuels and solid secondary fuels	Determination of minor elements copper (Cu), manganese (Mn), zinc (Zn), chromium (Cr), molybdenum (Mo), antimony (Sb), selenium (Se); ICP-MS	TL412.12 NEN-EN-ISO 16968	R
159.		Determination of minor elements barium (Ba) and iron (Fe); ICP-MS	TL412.12 in-house method (analysis: NEN-EN-ISO 16968)	R
		Flexible scope Organic analysis[2]		
160.	Crops[3], food (including potatoes, vegetables and fruits), foodstuffs, raw materials for foodstuffs, food and feed and their raw materials	Determination of pesticide content; GC-MS/MS and LC-MS/MS method	TL512.40	R
		Flexible scope analyses Genetically Modified organisms[2]		
161.	Food and feed and their raw materials	Detection of transformation events (GMO); PCR	TL742.01	R

[2] This flexible scope requires the laboratory to maintain a current list of the methods applied under this flexible scope
[3] By crops is meant: Products of plant origin