

Annex to ISO/IEC 17025 declaration of accreditation
for registration number: **L 132**

of **Silliker B.V.**
Afdeling Laboratorium
Ede

This annex is valid from: **30-07-2010** to **01-06-2014**

Replaces annex dated: **27-04-2010**

No.	Material or product	Type of activity	Internal reference number
Sampling			
a	Water	Sampling for microbiological, chemical and sensory analyses	SOP BC 346 in-house method
b		Sampling for Legionella analyses	SOP BC 492 in accordance with NEN 6265
c	Foods	Sampling, storage and transport for microbiological analyses	SOP BC 105 in-house method
Inorganic analyses			
1	Water, waste water and effluents	Determination of suspended solids, method by filtration through glass fibre filters; gravimetric	SOP GH 084 in accordance with: NEN-EN 872
2	Food (with the exception of meat)	Determination of dry matter content at 70°C; gravimetric	SOP GH 183 in-house method
3	Meat and meatproducts	Determination of dry matter content at 103°C; gravimetric	SOP GH 236 equivalent to NEN-ISO 1442
4	Feed	Determination of the content of moisture or dry matter; gravimetric	SOP GH 406 in accordance with PDV: WM-1a
5	Waste water and sludge	Determination of the dry matter content at 103°C and ash at 550°C; gravimetric	SOP GH 061 equivalent to NEN 6499

This annex has been approved by:

Ir. J.C. van der Poel
Chief Executive

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6	Feed	Determination of the content of crude ash; gravimetric	SOP GH 468 equivalent to PDV: WM-4a
7		Determination of the content of crude fibre; gravimetric	SOP GH 469 in accordance with PDV: WM-5
8		Determination of the content of free and total crude fat; gravimetric	SOP GH 471 in accordance with PDV: WM-2
9	Food and meat	Determination of the content of free and total fat; Soxhlet, gravimetric	SOP GH 186 in-house method
10	Water, waste water and percolated sludge	Determination of petroleum ether extract components; Soxhlet, gravimetric	SOP GH 073 equivalent to NEN 6671
11	Water, waste water and soil	Determination of conductivity	SOP GI 088 water: in accordance with NEN-ISO 7888 soil: in accordance with NEN-ISO 5749
12	Water, waste water, sludge, food and feed	Determination of the pH; potentiometric	SOP GI 064 in-house method
13	Sludge, food and feed	Determination of the content of chloride; potentiometric	SOP GI 171 in-house method
14	Water and waste water	Determination of the biochemical oxygen demand (BOD); potentiometric	SOP GI 076 equivalent to NEN-EN 1899-1/1899-2
15	Water, waste water and sludge	Determination of the chemical oxygen demand (COD); titrimetric	SOP GG 413 in accordance with NEN 6633
16		Determination of Kjeldahl nitrogen; titrimetric	SOP FG 397 en SOP GG 400 (waste)water equivalent to NEN-ISO 5663 sludge equivalent to NEN-EN 13342
17	Food and meat	Determination of the content of protein according to Kjeldahl; titrimetric	SOP GG 210 food: in-house method meat: equivalent to NEN-ISO 937

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18	Food	Determination of the total sulfurdioxide content; titrimetric	SOP GG 203 in-house method
19	Feed	Determination of the content of total sugar; titrimetric	SOP GG 472 in accordance with PDV: WM-7
20		Determination of the content of crude protein; titrimetric	SOP GG 470 in accordance with PDV: WM-3a
21	Water and wastewater	Determination of dissolved ammonium; ion chromatography	SOP GN 367 in-house method
22	Feed	Determination of the content of starch; polarimetric	SOP GU 412 in accordance with PDV: WM-6
23	Meat, meatproducts and feed	Determination of the content of protein; Dumas method	SOP GU 407 in-house method
24	Water and waste water	Determination of the content of chloride, nitrite, nitrate, phosphate, sulphate; ion chromatography	SOP GN 063 in-house method
25	Meat, meatproducts and vegetables	Determination of the content of: chloride, nitrite, nitrate, phosphate, sulphate; ionchromatography	SOP GN 576 in-house method

Inorganic analyses (elementanalyses)

26	Water, waste water and sludge	Determination of the content of elements; digestion and ICP Cr, Cu, Pb, Mg, Ni, Ag, Zn, Ca, Fe, Mn, P, Na, K and Cd	SOP GK 409 water: in accordance with NEN 6966; wastewater, sludge: In-house method digestion: In-house method FK547
27	Food	Determination of the content of elements; digestion and ICP Pb, Mg, Ca, Fe, P, Na, K and Cd	SOP GK 409 in-house method digestion: in-house method FK547
28	Feed	Determination of the content of elements; digestion and ICP K, Na, Mg, Ca, Cu, Fe, Zn, Mn and P	SOP GK 409 in-house method digestion: in-house method FK547
29	Water	Determination of the content of selenium, arsenic and antimony; ICP-hydride technique	SOP GK 534 in-house method

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30	Waste water, sludge and feed	Determination of the content of selenium and arsenic; digestion and ICP-hydride technique	SOP GK 534 in-house method digestion: in-house method FK547
31	Food	Determination of the content of arsenic; digestion and ICP-hydride technique	SOP GK 534 in-house method digestion: in-house method FK547
32	Water and waste water	Determination of the content of mercury; digestion and AAS, cold vapour technique	SOP GK419 equivalent to NEN-EN 1483 digestion: in-house method FK547
33	Sludge and food	Determination of the content of mercury; digestion and AAS, cold vapour technique	SOP GK419 in-house method digestion: in-house method FK547

Microbiological analyses

34	Water	Enumeration of culturable micro-organisms at 22 °C and/or 37°C; colony count, culture medium YEA	SOP GD 298 in accordance with ISO 6222
35		Enumeration of enterococci; colony count with membrane filtration method, culture medium SB	SOP GD 302 in accordance with ISO 7899-2
36		Enumeration of Escherichia coli and coliform bacteria; colony count with membrane filtration method, culture medium LTTC	SOP GD 299 in accordance with ISO 9308-1
37	Food, animal feed and dairy	Total plate count colony count, culture medium PCA	SOP GD 266 in accordance with ISO 4833
38	Food and animal feed	Enumeration of yeasts and moulds; colony count, culture medium DRBC	SOP GD 286 in accordance with ISO 21527-1 (products with water activity > 0,95)
39		Enumeration of yeasts and moulds; colony count, culture medium DG18	SOP GD 286 in accordance with ISO 21527-2 (products with water activity < 0,95)
40		Enumeration of Enterobacteriaceae colony count, culture medium VRBG	SOP GD 281 in accordance with ISO 21528-2

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41	Food and animal feed	Enumeration of lactic acid bacteria at 30 °C, colony count, culture medium MRS	SOP GD 510 in accordance with ISO 15214
42		Enumeration of coagulase positive Staphylococci; colony count, culture medium BP+RPF	SOP GD 295 in accordance with ISO 6888-2
43		Enumeration of glucuronidase positive Escherichia coli; colony count, culture medium TBX	SOP GD 461 in accordance with ISO 16649-2
44	Food and environment	Enumeration of Listeria monocytogenes; colony count, culture medium RLM	SOP GD 495 equivalent to ISO 11290-2 (AFNOR BRD 07/5 - 09/01)
45	Food, animal feed and environment	Detection of Salmonella; MSR/V	SOP GE 345 In-house method
46		Detection of Salmonella; VIDAS SLM	SOP GE 453 equivalent to ISO 6579 (AFNOR BIO 12/1 - 04/94 except environmental samples)
47	Poultry down, faeces and meat	Detection of Salmonella; MSR/V.	SOP GE 405 equivalent to PVE-Salmonella-MSRV-291009
48	Poultry faeces and meat	Detection of thermotolerant Campylobacter; Preston/CCDA.	SOP GE 404 in accordance with PVE-Campylobacter-140607
49	Food and environment	Detection of Listeria spp; VIDAS LIS	SOP GE 516 equivalent to ISO 11290-1 (AFNOR BIO 12/2-06/94)
50	Food and feed	Enumeration of coliform bacteria; colony count, culture medium VRBA	SOP GD 277 in accordance with to ISO 4832

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51	Food	Detection of coagulase positive Staphylococci; GC	SOP GE 341 in accordance with ISO 6888-3
52	Water	Detection and enumeration of Legionella; colony count with membrane filtration method, culture medium BCYE, MWY	SOP GD 454 in accordance with NEN 6265
53	Food and feed except raw milk	Detection of Salmonella; Vidas ICS + SLM	SOP GE 388 equivalent to ISO 6579 (AFNOR BIO 12/22-05/07)
54	Food and Feed with exception for dairy	Detection of Salmonella spp. ; PCR	SOP GE 598 equivalent to ISO 6579 (AFNOR GEN 25/05-11/08)
55	Food	Detection of Listeria monocytogenes, short method	SOP GE 597 equivalent to ISO 11290-1 (AFNOR BIO 12/14-04/05)
56		Enumeration of total anaerobic colony count, culture medium Schaedler agar	SOP GD 267 In-house method
57		Enumeration of sulphite-reducing anaerobic bacteria, culture medium ISA	SOP GD 272 In accordance with ISO 15213
58		Enumeration of Bacillus cereus, culture medium MYP	SOP GD 294 In accordance with ISO 7932
59	Meat and meat products	Enumeration of Pseudomonas spp, culture medium CFC	SOP GD 290 in accordance with ISO 13720
60	Salmonella cultures	Serotyping by agglutination reactions of the following Salmonella spp: S. Paratyphi var. Java, S. Agona, S. Typhimurium, S. Brandenburg, S. Heidelberg, S. Indiana, S. Livingstone, S. Montevideo, S. Thompson, S. Virchow, S. Infantis, S. Bareilly, S. Mbandaka, S. Blockley, S. Bovismorbificans, S. Hadar, S. Enteritidis-, S. Anatum, S. Lexington en S. Senftenberg	SOP GC 508 In-house method