



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EUROFINS FOOD TESTING SINGAPORE PTE LTD

61 Science Park Road

#05-03 /08 The Galen

Singapore 117525

Karen DeLacy Phone: +65 6971 0871

Karen.DeLacy@eurofinsasia.com

CHEMICAL

Valid to: July 31, 2027

Certificate Number: 2918.02

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA Food Testing Program Requirements, containing the 2018 “*AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food, Dietary Supplements, and Pharmaceuticals*”), accreditation is granted to this laboratory to perform the following tests on Food (i.e. General Food, Food for Special Medical Purposes (FSMP), Supplemented Food, Infant Formula, Follow-on Formula) and Dietary supplements:

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Proximates				
Ash	ASHM	Gravimetry	AOAC 923.03 (Modified)	SNG-TM3821
Calories	CALC	Calculation	Code of Federal Regulations, Title 21, Part 101.9, pp.24-25	SNG-TM3850
Carbohydrates	CHO	Calculation	United States Department of Agriculture, “Energy Value of Foods, “Agriculture Handbook No. 74, Pp 2-11 (1973)	SNG-TM3850
Density	SPGP	Gravimetry	NIST Handbook 133 – Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)	SNG-TM3882
Moisture/Total Solids	M100_T100	Gravimetry, 100°C	AOAC 925.09, 926.08 (Modified)	SNG-TM4482
Moisture/Total Solids	M70_T170	Gravimetry, 70°C	AOAC 934.06 (Modified)	SNG-TM4478
pH	PHAL	Hydrogen-Ion Activity	AOAC 981.12 (Modified) FCC <Appendix II> (Modified) USP<791> (Modified)	SNG-TM4097
Protein/Nitrogen	DGEN	Dumas, Combustion	AOAC 968.06, 992.15 (Modified)	SNG-TM4418

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Protein/Nitrogen	PGEN	Kjeldahl, Digestion	Official Methods and Recommended Practices of the American Oil Chemists' Society, Champaign, IL Official Methods Ac 4-91 (2011) (Modified)	SNG-TM4085
Water Activity	WACT	Chilled-Mirror Dew Point	AOAC 978.18 (Modified)	SNG-TM4173
Sugars				
Sugar Profile	SGIC_2	HPAEC-PAD	AOAC 2018.16 (Modified) Ellingson, D., Anderson, P., Berg, D., "Analytical Method for Sugar Profile in Pet Food and Animal Feeds by High Performance Anion-Exchange Chromatography with Pulsed Amperometric Detection", Journal of AOAC INTERNATIONAL 99 (2): 342-352 (2016) (Modified)	SNG-TM4565
Sugar Profile	SUGN	Gas Chromatography	Brobst, K.M., "Gas-Liquid Chromatography of Trimethylsilyl Derivatives," Methods in Carbohydrate Chemistry, 6:3-8, Academic Press: New York, New York (1972) (Modified) Mason, B. S., and Stover, H. T., "A Gas Chromatographic Method for the Determination of Sugars in Foods," Journal of Agriculture and Food Chemistry 19(3):551-554 (1971) (Modified)	SNG-TM4562
Lipids				
<i>p</i> -Anisidine Value	ANID	Spectrophotometry	AOCS Official Method Cd 18-90 USP 38 – NF 33, Chapter <401>	SNG-TM4416
Cholesterol	CHOK	GC-FID	AOAC 994.10 (Modified)	SNG-TM3916
Cocoa Fats	FAT_COCOA	Soxhlet / Gravimetry	AOAC 963.15 (Modified)	SNG-TM3868
Crude Fat	FAT_AH	Acid Hydrolysis / Gravimetry	AOAC 922.06, 954.02, 925.32, 933.05 (Modified)	SNG-TM3876

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Crude Fat	FAT_BH	Alkaline Hydrolysis / Gravimetry	AOAC 932.06, 989.05, 986.25, 945.48B (Modified)	SNG-TM3877
Fatty Acid Profile	FAME	Gas Chromatography	AOAC 996.06; AOCS Ce 1h-05, Ce 2-66, Ce 2b-11, and Ce 1j-07	SNG-TM4022 SNG-TM4039
Free Fatty Acids	FFA2	Titrimetry	United States Pharmacopeia, 39th Revision, <401> Fats and Fixed Oils, USP Convention, Inc., Rockville, MD (2016) Official Methods and Recommended Practices of the AOCS, Sixth Ed., Method Ca 5a-40, American Oil Chemists' Society, Champaign, Illinois (1997)	SNG-TM4033
Peroxide Value	PVFF	Titrimetry	AOAC 965.33, 983.23 (Modified) USP <401> (Modified) United States Pharmacopeia, 37th Rev., "Preparation and Standardization", Volumetric Solutions, USP Convention, Rockville, MD, p. 1460-1461, (2014) (Modified)	SNG-TM4094
Fibers				
Beta Glucan	BGFCCIC	HPAEC-PAD	Internally Developed Method	SNG-TM25998
Crude Fiber	CFIB	Gravimetry	AOAC 962.09 (Modified)	SNG-TM3879
Dietary Fiber (Total, Insoluble and Soluble)	ISDF_SG	Lee, Enzymatic-Gravimetry	AOAC 991.43 (Modified)	SNG-TM31074
Total Dietary Fiber	TDF_SG	Prosky, Enzymatic-Gravimetry	AOAC 985.29 (Modified)	SNG-TM31075

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Total Fructans	FOS_IF	HPAEC-PAD	Haselberger, P., Jacobs, W., Part II – Quantitative Determination of Total Fructan, “Determination of Fructans in Infant, Adult, and Pediatric Nutritional Formulas: Single Laboratory Validation, First Action 2016.06”, Journal of AOAC INTERNATIONAL 99 (6): 1576-1588 (2016) (Modified) Cuany, D., Bénet, T., Austin, S., “Development and Single Laboratory Validation of a Method for the Determination of Total Fructans in Infant Formula”, Journal of AOAC INTERNATIONAL 93 (1): 202-212 (2010) (Modified)	SNG-TM3960
Fructooligosaccharides	FOSR	HPAEC-PAD	AOAC 997.08 (Modified) Stöber, P., Bénet, S., and Hischenhuber, C., “Simplified Enzymatic High-Performance Anion Exchange Chromatographic Determination of Total Fructans in Food and Pet Food–Limitations and Measurement Uncertainty,” Journal of Agricultural and Food Chemistry, 52 (8):2137-2146 (2004) (Modified)	SNG-TM4035
Galactooligosaccharides	GOSINT	HPAEC-PAD	Coulier et al., “In-Depth Characterization of Prebiotic Galactooligosaccharides by a Combination of Analytical Techniques”, J. Agric. Food Chem. 57(18): 8488-8495 (2009)	SNG-TM3807

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Galactooligosaccharides	GOSRAW	HPAEC-PAD	AOAC 2001.02 (Modified) Dionex/Thermo Application Note 155: Determination of Trans-Galactooligosaccharides in Foods by AOAC Method 2001.02 (2003) (Modified)	SNG-TM3806
Human Milk Oligosaccharides	AN_5HMO	HPAEC-PAD	AOAC 2022.04	SNG-TM19529
Vitamins and Other Micronutrients				
Vitamin A	VALC	UHPLC/HPLC	AOAC 992.04, 992.06, 2001.13 (Modified)	SNG-TM3972
Vitamins A and E	AN_VITAE	HPLC	AOAC 2012.09	SNG-TM4546
Vitamins A and E	VITAE_IF	HPLC	AOAC 992.06, 992.03 (Modified)	SNG-TM4158
Vitamins A and E	VITAE_DS	HPLC	USP 38 - NF 33, Dietary Supplements, Oil and Water-Soluble Vitamins with Minerals Tablets, Vitamin A, Methods 1 and 2, Vol. 4, pp 6384-6385, The United States Pharmacopeial Convention, Rockville, MD (2015) (Modified) USP 38 - NF 33, Dietary Supplements, Oil and Water-Soluble Vitamins with Minerals Tablets, Vitamin E, Methods 1 and 2, Vol. 4, pp 6387-6388, The United States Pharmacopeial Convention, Rockville, MD (2015) (Modified) Speek, A.J., Schrijver, J., and Schreurs, W.H.P., "Vitamin E Composition of Some Seed Oils as Determined by High-Performance Liquid Chromatography with Fluorometric Detection," Journal of Food Science, 50(1): 121-124 (1985) (Modified)	SNG-TM4171

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Vitamins B1, B2, and B6 (Thiamine, Riboflavin, Pyridoxine)	B1B2B6	HPLC	Client Supplied Method	SNG-TM4066
Vitamins B1, B2, B3, B5, B6, B7 and B9	BLCMS	LC-MS/MS	Internally Developed Method	SNG-TM3803
Vitamin B2 (Riboflavin)	B2FV	Microbiological	AOAC 940.33, 960.46 (Modified)	SNG-TM4160
Vitamin B3 (Niacin/Niacinamide)	NIAP	Microbiological	AOAC 944.13, 960.46 (Modified)	SNG-TM4161
Vitamin B5 (Pantothenic Acid)	PANN	Microbiological	AOAC 992.07, 960.46, 945.74 (Modified)	SNG-TM4162
Vitamin B6 (Pyridoxine Hydrochloride/Pyridoxine Free Base)	B6A	Microbiological	AOAC 961.15 (Modified) Atkins, L., Schultz, A. S., Williams, W. L., and Frey, C. N., "Yeast Microbiological Methods for Determination of Vitamins," Industrial and Engineering Chemistry, Analytical Edition, 15:141-144 (1943)	SNG-TM4163
Pyridoxal and Pyridoxamine	SG_TOTB6	LC-MS/MS	Internally Developed Method	SNG-TM30809
Vitamin B7 (Total Biotin / Free Biotin)	BIOM	Microbiological	Scheiner, J. and DeRitter, "Biotin Content of Feedstuffs", Journal of Agricultural Food Chemistry, 23(6): 1157-1162 (1975) (Modified) Wright, L.D., Skeggs, H.R., "Determination of Biotin with Lactobacillus arabinosis," Procedures of the Society of Experimental Biology and Medicine, 56:95-98 (1944) (Modified) Free Biotin, Section C-13, Methods of Analysis for Infant Formulas, Infant Formula Council (1985) (Modified) Scheiner, J., "Extraction of Added Biotin from Animal Feed Premix, "Journal of the AOAC, 49(4):882-883, (1996) (Modified)	SNG-TM3839

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Vitamin B9 (Folic Acid)	FOAN	Microbiological	AOAC 992.05, 960.46 (Modified) “Methods of Analysis of Infant Formulas,” Infant Formula Council, Atlanta, GA, Section C-2 (1985) (Modified)	SNG-TM4028
Vitamin B12 (Cyanocobalamin)	B12F	Microbiological	AOAC 952.20, 960.46 (Modified) AOAC 2011.10 (Standard Stability) Methods of Analysis for Infant Formulas, Infant Formula Council, Atlanta, Georgia, Section C-2, (1985)	SNG-TM3880
Vitamin B12 (Cyanocobalamin)	B12LC	HPLC	AOAC 2011.10 (Modified)	SNG-TM4159
Vitamin B12 (Cyanocobalamin)	B12_LCMS	LC-MS/MS	Internally Developed Method AOAC 2011.10 (Modified)	SNG-TM21700
Beta Carotene and Lycopene	AN_CAR	HPLC	Client Supplied Method	SNG-TM3900
Beta Carotene	CAR1	HPLC	AOAC 2005.07 (Modified) Quackenbush, F.W., Reverse Phase HPLC Separation of cis and trans-Carotenoids and Its Application to Beta Carotenes in Food Materials,” Journal of Liquid Chromatography, 10:643-653 (1987) (Modified)	SNG-TM3835

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Vitamin C and Erythorbic Acid	CALL	HPLC	AOAC 967.22 (Modified) Fontannaz, P., Kilinc, T., Heudi, O., "HPLC –UV Determination of Total Vitamin C in a Wide Range of Fortified Food Products", Food Chemistry 94: 626-631 (2006) (Modified) Capellmann, M., Bolt. H., "Simultaneous Determination of Ascorbic Acid and Dehydroascorbic Acid by HPLC with Postcolumn Derivatisation and Fluorometric Detection", Fresenius' Journal of Analytical Chemistry 342:462-466 (1992) (Modified)	SNG-TM3974
Vitamin D	VDMS	LC-MS/MS	AOAC 2011.11 (Modified) Huang, M., Laluzerne, P., Winters, D., Sullivan, D., "Measurement of Vitamin D in Foods and Nutritional Supplements by Liquid Chromatography/Tandem Mass Spectrometry," Journal of AOAC International, Volume (92). No. 5:1327-1335 (2009)	SNG-TM4166

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Vitamin E (Tocopherols)	LCAT	UHPLC/HPLC	Speek, A.J., Schijver, J., and Schreurs, W.H.P., Journal of Food Science, 50: 121-124 (1985) (Modified) Cort, W.M., Vincente, T.S., Waysek, E.H., and Williams, B.D., Journal of Agricultural Food Chemistry, 31: 1330-1333 (1983) (Modified) McMurray, C.H., Blanchflower, W.J., and Rice, D.A., Journal of the Association of Official Analytical Chemists, 63: 1258-1261 (1980) (Modified)	SNG-TM4168
Vitamin K1 (Trans and Total)	VKIFAOAC	HPLC	AOAC 2015.09 (Modified)	SNG-TM8460
Vitamin K1 and K2	VKTK	HPLC	AOAC 999.15, 992.27 (Modified)	SNG-TM4170
Lutein	AN_LUT	HPLC	Client Supplied Method	SNG-TM4459
Lutein	LUTE_IF	HPLC	Internally Developed Method	SNG-TM4460

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Lutein and Zeaxanthin	CAR2	HPLC	Official Methods of Analysis of AOAC INTERNATIONAL, Methods 941.15 and 2005.07, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (Modified). Quackenbush, F. W., "Reverse Phase HPLC Separation of cis- and trans-Carotenoids and Its Application to Beta Carotenes in Food Materials," Journal of Liquid Chromatography, 10: 643-653 (1987) (Modified). (Lutein esters) Official Methods of Analysis of AOAC INTERNATIONAL, Methods 970.64 and 2005.07, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (Modified). (Lutein esters)	SNG-TM4462
Myo-Inositol (Free, Bound and Total)	INOSAOAC, INOSPHOS	HPAEC-PAD	AOAC 2011.18 (Modified)	SNG-TM3923
Myo-Inositol (Free and Total)	INOS_IC	HPAEC-PAD	AOAC 2012.12 Ellingson, D.; Pritchard, T.; Foy, P.; King, K.; Mitchell, B.; Austad, J.; Winters, D.; Sullivan, D. "Analysis of Free and Total Myo-Inositol in Foods, Feeds, and Infant Formula by High Performance Anion Exchange Chromatography with Pulsed Amperometric Detection, including a Novel Total Extraction Using Microwave-Assisted Acid Hydrolysis and Enzymatic Treatment" Journal of AOAC INTERNATIONAL, 95(5):1469-1478 (2012)	SNG-TM4490

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Elemental Analyses				
Ca, Cu, Fe, K, Mg, Mn, Na, P, and Zn	ICP	ICP	AOAC 984.27, 985.01, 2011.14 (Modified)	SNG-TM4078
Al, As, Cd, Pb, Hg, Sb, Sn and Ni	ICP_MS	ICP-MS	AOAC 2011.19, 993.14 (Modified) AOAC 2015.01 (Modified)	SNG-TM4079
Cr, Mo and Se	SEIF	ICP-MS	AOAC 2011.19	SNG-TM3864
Cr, Mo and Se	SEMSPLUS	ICP-MS	AOAC 2011.19 (Modified)	SNG-TM4535
Inorganic Arsenic	SG_ASPEC	ICP-MS	Rasmussen R. R., Hedegaard R. V., Larsen E. H. & Sloth J.J., "Development and validation of an SPE HG-AAS method for determination of inorganic arsenic in samples of marine origin." Anal Bioanal Chem (2012) 403:2825–2834 (Modified)	SNG-TM40680
Iodine	IODICPMS	ICP-MS	AOAC 2012.15 (Modified)	SNG-TM4083
Inorganics				
Nitrate and Nitrite	NO2NO3	HPLC	Internally Developed Method	SNG-TM4451
Chloride/Salt	SALT	Titrimetry	AOAC 963.05, 971.27, 986.26 (Modified)	SNG-TM3859
Amino Acids				
Total Amino Acids	TAALC	HPLC	Barkholt and Jensen, "Amino Acid Analysis: Determination of Cysteine plus Half-Cystine in Proteins after Hydrochloric Acid Hydrolysis with a Disulfide Compound as Additive," Analytical Biochemistry, 177, 318-322 (1989) R. Schuster, "Determination of Amino Acids in Biological, Pharmaceutical, Plant and Food Samples by Automated Precolumn Derivatization and HPLC", Journal of Chromatography. 431, 271-284 (1988)	SNG-TM4142

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
			Henderson, J.W., Ricker, R.D. Bidlingmeyer, B.A., Woodward, C., "Rapid, Accurate, Sensitive, and Reproducible HPLC Analysis of Amino Acids, Amino Acid Analysis Using Zorbax Eclipse- AAA Columns and the Agilent 1100 HPLC," Agilent Publication, (2000) Henderson, J.W., Books, A., "Improved Amino Acid Methods using Agilent Zorbax Eclipse Plus C18 Columns for a Variety of Agilent LC Instrumentation and Separation Goals," Agilent Application Note 5990-4547 (2010)	
Free and Total Carnitine and Choline	CARCOL	LC-MS/MS	AOAC 2015.10	SNG-TM3805
Glutamic Acid / Monosodium glutamate	FAALC	HPLC	Schuster, R., "Determination of Amino Acids in Biological, Pharmaceutical, Plant and Food Samples by Automated Precolumn Derivatization and High Performance Liquid Chromatography," 431, 271-284 (1988) (Modified) Henderson, J.W., Ricker, R.D. Bidlingmeyer, B.A., Woodward, C., "Rapid, Accurate, Sensitive, and Reproducible HPLC Analysis of Amino Acids, Amino Acid Analysis Using Zorbax Eclipse-AAA Columns and the Agilent 1100 HPLC," Agilent Publication 5980-1193E, (2000)	SNG-TM3798
3-Hydroxy-3-Methylbutyric Acid	AN_HMB	HPLC	Client Supplied Method	SNG-TM4063
3-Hydroxy-3-Methylbutyric Acid	AN_HMBMS	LC-MS/MS	Client Supplied Method	SNG-TM15881

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Nucleotides	NUTD	HPLC	Internally Developed Method	SNG-TM4508
Taurine	TAUR_LC	HPLC	AOAC 999.12 (Modified) R. Schuster, "Determination of Amino Acids in Biological, Pharmaceutical, Plant and Food Samples by Automated Precolumn Derivatization and HPLC", Journal of Chromatography. 1988, 431,271-284 (Modified) Henderson, J.W., Ricker, R.D. Bidlingmeyer, B.A., Woodward, C., "Rapid, Accurate, Sensitive, and Reproducible HPLC Analysis of Amino Acids, Amino Acid Analysis Using Zorbax Eclipse-AAA Columns and the Agilent 1100 HPLC," Agilent Publication (2000) (Modified) Henderson, J.W., Books, A., "Improved Amino Acid Methods using Agilent Zorbax Eclipse Plus C18 Columns for a Variety of Agilent LC Instrumentation and Separation Goals, "Agilent Application Note 5990-4547 (2010)	SNG-TM4108

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Total Tryptophan	TRPLC	HPLC	AOAC 988.15 (Modified) R. Schuster, "Determination of Amino Acids in Biological, Pharmaceutical, Plant and Food Samples by Automated Precolumn Derivatization and HPLC", Journal of Chromatography 431. 271-284 (1988) (Modified) Henderson, J.W., Ricker, R.D. Bidlingmeyer, B.A., Woodward, C., "Rapid, Accurate, Sensitive, and Reproducible HPLC Analysis of Amino Acids, Amino Acid Analysis Using Zorbax Eclipse- AAA Columns and the Agilent 1100 HPLC," Agilent Publication (2000) (Modified) Henderson, J.W., Books, A., "Improved Amino Acid Methods using Agilent Zorbax Eclipse Plus C18 Columns for a Variety of Agilent LC Instrumentation and Separation Goals," Agilent Application Note 5990-4547 (2010)	SNG-TM3797
Mycotoxins				
Aflatoxins (B1, B2, G1, G2, M1 and M2) Deoxynivalenol Fumonisin (B1 and B2) Ochratoxin A T-2 and HT-2 toxin Zearalenone	MYCO_REG	UHPLC-MS/MS	Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schuhmacher, R., Krska, R. and Berthiller, F., Stable Isotope Dilution Assay For the accurate determination of Mycotoxins in Maize by UHPLC-MS/MS," Analytical and Bioanalytical Chemistry, 402:2675-2686 (2012)	SNG-TM4470

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Aflatoxins (B1, B2, G1, G2, M1 and M2) Deoxynivalenol Fumonisin (B1 and B2) Ochratoxin A T-2 and HT-2 toxin Zearalenone	MYCO_IF	UHPLC-MS/MS	Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schuhmacher, R., Krska, R. and Berthiller, F., "Stable Isotope Dilution Assay for the Accurate Determination of Mycotoxins in Maize by UHPLC-MS/MS," Analytical and Bioanalytical Chemistry, 402:2675-2686 (2012)	SNG-TM4466
Ergot Alkaloids	SG_ERGOT	LC-MS/MS	Krska, R.; Stubbings, G. Macarthur, R. Simultaneous determination of the six major ergot alkaloids and their epimers in cereals and foodstuffs by LC-MS-MS. Anal. Bioanal Chem. 2008, 391: 563-576.	SNG-TM41360
Moniliformin	SG_MON	LC-MS/MS	Internally Developed Method Herrera M, van Dam R, Spanjer M, de Stoppelaar J, Mol H, de Nijs M, López P. Survey of moniliformin in wheat- and corn-based products using a straightforward analytical method. Mycotoxin Res. 2017 Nov; 33(4):333-341.	SNG-TM30928

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Patulin	PATULIN	LC-MS/MS	Desmarchelier, A., Mujahid, C., Racault, L., Perring, L., and Lancova, K., "Analysis of Patulin in Pear and Apple-Based Foodstuffs by Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry," Journal of Agricultural and Food Chemistry, 59:7659-7665 (2011). Beltrán, E., Ibáñez, M., Sancho, J.V., Hernández, F., "Determination of patulin in apple and derived products by UHPLC–MS/MS. Study of matrix effects with atmospheric pressure ionisation sources," Food Chemistry, 142:400–407 (2014).	SNG-TM4524
Trichothecenes - Fusarenon-X Deoxynivalenol Nivalenol 3-Acetyl Deoxynivalenol 15-Acetyl Deoxynivalenol T-2 and HT-2 toxin Diacetoxyscirpenol Neosolaniol	SG_TCT	UHPLC-MS/MS	Internally Developed Method Sulyok, M., Berthiller, F., Krska, R., Schuhmacher, R., "Development and validation of a liquid chromatography/tandem mass spectrometric method for the determination of 39 mycotoxins in wheat and maize," Rapid Communications in Mass Spectrometry, 20(18):2649-2659 (2006). UCT, Analysis of Mycotoxins by LC-MS/MS and A QuEChERS Sample Preparation Approach	SNG-TM30379
Pesticides				

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Pesticides Refer to Annex, Table 1	PS05	GC-MS/MS and LC-MS/MS	AOAC 2007.01 (Modified) CEN Standard Method EN 15662: Food of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE – QuEChERS method.	SNG-TM4095
Dithiocarbamates	SG_CS2	GC-FPD	Analysis of Dithiocarbamate Residues in Foods of Plant Origin Involving Cleavage into Carbon Disulfide, Partitioning into Isooctane and Determinative Analysis by GC-ECD, EURL-SRM (Modified).	SNG-TM25827
Trifludimoxazin	SG_HERB1	LC-MS/MS	Internally Developed Method	SNG-TM41455
Veterinary Drug Residues				
Aminoglycosides	AMGVD	LC-MS/MS	AOAC Official Method 2020.04. Screening of 154 Veterinary Drug Residues in Foods of Animal Origin (Modified)	SNG-TM27199
Amphenicols Anthelmintic Avermectins Beta-Agonists Beta-Lactams Benzimidazoles Cephalosporins Coccidiostats Fluoroquinolones Macrolides Nitroimidazoles Penicillins Quinolones Sulfonamides Tetracyclines Tranquilizers	SG_VD01	LC-MS/MS	Internally Developed Method	SNG-TM27481
Nitrofurans Metabolites	NTFN	UHPLC-MS/MS	Internally Developed Method	SNG-TM7642
Contaminants				
Acrylamide	ACMS2	LC-MS/MS	European Standard EN 16618:2015 (Modified)	SNG-TM4070

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Chlorate and Perchlorate	CHLORATE	LC-MS/MS	Internally Developed Method	SNG-TM3915
Chloropropanols	MCPD_DCP	GC-MS/MS	Internally Developed Method	SNG-TM7628
Cyanuric Acid and Melamine	MELCYA	UHPLC-MS/MS	Internally Developed Method	SNG-TM6433
Ethylene Oxide Residues	EO_2CE	GC-MS/MS	Internally Developed Method	SNG-TM24521
Monochloropropanediols (MCPD), MCPD Fatty Acid Esters and Glycidyl Fatty Acid Esters	MCPD_GE	GC-MS/MS	AOAC 2018.12, First Action	SNG-TM5642
Bound Monochloropropanediol (MCPD) and Bound 2,3-Epoxy-1-Propanol (Glycidol)	MCPD_TOT	GC-MS/MS	AOCS Official Method Cd 29b-13 (2013) (Modified) AOCS Official Method Cd 29a-13 (2013) (Modified)	SNG-TM3841
Nonylphenol Isomers	NONYLPH	LC-MS/MS	Internally Developed Method	SNG-TM4153
Polycyclic Aromatic Hydrocarbons	SG_PAH	GC-MS/MS	Internally Developed Method	SNG-TM35486
Sulfite	SO2T	Monier-Williams, Titrimetry	AOAC 990.28 (Modified)	SNG-TM9027
Sulfur Dioxide	SULFI_MS	LC-MS/MS	Robbins, K. S., Shah, R., MacMahon, S., de Jager, L. S., Development of a Liquid Chromatography –Tandem Mass Spectrometry Method for the Determination of Sulfite in Food, Journal of Agricultural and Food Chemistry, 63: 5126-5132 (2015). (Modified)	SNG-TM19505
Triphenylmethane Dyes	TPMDYES	LC-MS/MS	AOAC Official Method 2012.25 (Modified)	SNG-TM7669
Speciality Testing				
Acetic Acid, Citric Acid, Lactic Acid and Malic Acid	ORG2	HPLC	Official Methods of Analysis, Method 986.13, AOAC INTERNATIONAL, Gaithersburg, MD, USA (Modified)	SNG-TM4515
Artificial Sweeteners and Steviol Glycosides	SG_SWETS	UHPLC-MS/MS	Internally Developed Method	SNG-TM40783

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Benzoic Acid and Sorbic Acid	ORG1	HPLC	Bui, L.V., and Cooper, C., "Reverse-phase liquid chromatographic determination of benzoic and sorbic acid in foods," Journal of the Association of Official Analytical Chemists, 70(5): 892-896 (1987), (Modified)	SNG-TM3833
Caffeine and Theobromine	CAFR	HPLC	Blauch, J.L., Tarka, S.M., "HPLC Determination of Caffeine and Theobromine in Coffee, Tea, and Instant Hot Cocoa Mixes", Journal of Food Science, 48(3):745-747 (1983) (Modified).	SNG-TM4996
Casein Phosphopeptides	AN_CPPMS	LC-MS/MS	Client Supplied Method	SNG-TM20549
Casein Phosphopeptides	AN_CPPRAW	Barium-Ethanol Precipitation/ Gravimetry	Client Supplied Method	SNG-TM20548
Casein Phosphopeptides	AN_CPPSEC	HPLC	Client Supplied Method	SNG-TM25365
Cereulide (Emetic Toxin)	SG_CEREU	LC-MS/MS	ISO 18465:2017 Microbiology of the food chain – Quantitative determination of emetic toxin (cereulide) using LC-MS/MS (Modified)	SNG-TM40783
Choline	COL4	Enzymatic Colorimetry	AOAC 999.14 (Modified)	SNG-TM3860
Disialogangliosides	AN_GD3	LC-MS/MS	Client Supplied Method	SNG-TM18467
Histamine	HISTASENSI	ELISA	Eurofins Developed Method	SNG-TM19407
Histamine	SG_HISTA	LC-MS/MS	Internally Developed Method	SNG-TM41450
Hydroxytyrosol	SG_AN_HT	HPLC-UV	Client Supplied Method	SNG-TM30809

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Lactoferrin (Bovine)	LACFAOAC	HPLC-UV	Frueh JL, Shu P, Vennard TR, Gray MA, Phillips SC. Determination of Bovine Lactoferrin in Powdered Infant Formula and Adult Nutritionals by Heparin Affinity Extraction and Reverse-Phase High Performance Liquid Chromatography/Ultraviolet Detection (HPLC/UV): Single-Laboratory Validation, First Action 2021.10. J AOAC Int. 2024	SNG-TM39953
Moisture	KFMO	Karl Fischer, Titrimetry	The United States Pharmacopeia, <921>, Method 1a, The United States Pharmacopeial Convention, Rockville, MD (Current Version), (Modified)	SNG-TM4084
Pyridoxal and Pyridoxamine	SG_MJ_B6	LC-MS/MS	Client Supplied Method	SNG-TM30809
Titrateable Acidity	TTAC	Titrimetry	Official Methods of Analysis, Method 942.15, AOACINTERNATIONAL, Gaithersburg, Maryland (Modified). ISO 750:1998, Fruit and vegetable products – Determination of titrateable acidity (Modified) ISO 6091:2010, Dried milk - Determination of titrateable acidity (Modified)	SNG-TM4140

Test(s)	Method Mnemonic	Method(s)	Reference(s)	SOP
Tropane Alkaloids	TROP	LC-MS/MS	Internally Developed Method Vuković G, Bursić V, Stojanović T, Petrović A, Gvozdenac S, Starović M, Kuzmanović S, Aleksić G (2018): LCMS/MS determination of tropane alkaloids in maize crop. Contemporary Agric. 67: 222. EURL-MP-method_004v1, Determination of tropane alkaloids in processed cereal-based foods for infants and young children by LC-MS/MS.	SNG-TM29464

ANNEX

Table 1
List of Pesticides

Analyte	Reference	SOP
Abamectin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Acephate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Acetamiprid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Acetochlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Acibenzolar-S-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Aclonifen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Acrinathrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Alachlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Aldicarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Aldicarb sulfone (Aldoxycarb)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Aldicarb sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Aldrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Allethrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ametryn	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Amidosulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Aminocarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Amitraz metabolite DMF	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Amitraz metabolite DMPF	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Anilofos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Atrazine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Azaconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Azamethiphos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Azinphos-ethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Azinphos-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Azoxystrobin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Beflubutamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Benalaxyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bendiocarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Benfluralin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Benoxacor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bensulide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Benzoximate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Benzyladenine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bifenazate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bifenox	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bifenthrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bispyribac	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bitertanol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bixafen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Boscalid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bromacil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bromophos-ethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bromophos-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bromopropylate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bromuconazole (2 diastereoisomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Bupirimate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Buprofezin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Butachlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Butafenacil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Butocarboxim	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Butocarboxim sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Butoxycarboxim	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Butylate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cadusafos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Carbaryl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Carbendazim	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Carbetamide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Carbofuran	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Carbofuran-3-hydroxy-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Carbophenothion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Carboxin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Carfentrazone-ethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorantraniliprole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorbromuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlordane, cis-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlordane, trans-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlordimeform	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorfenapyr	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorfenvinphos (E- and Z isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorfluazuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chloridazon (Pyrazon)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorimuron-ethyl (Classic)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorobenzilate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorotoluron (Chlortoluron)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Chloroxuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorpropham (CIPC)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorpyrifos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorpyrifos-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Chlorsulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Clethodim (E- and Z-isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Clodinafop-propargyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Clofentezine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Clomazone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cloquintocet-mexyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Clothianidin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Coumaphos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyanazine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyanofenphos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyantraniliprole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyazofamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cycloate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cycloxydim	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cycluron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyflufenamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyflumetofen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyfluthrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyhalothrin, lambda-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cymiazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cymoxanil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cypermethrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyproconazole (2 diastereoisomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyprodinil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Cyromazine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dacthal (Chlorthal-dimethyl, DCPA)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
DDD, o,p'-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
DDD, p,p'-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
DDE, o,p'-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
DDE, p,p'-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
DDT, o,p'-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
DDT, p,p'-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
DEET (Diethyltoluamide)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Deltamethrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Demeton-O	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Demeton-S	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Demeton-S-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Demeton-S-methyl sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Desmedipham	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dialifos (Dialifor)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diazinon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diazinon oxon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dichlobenil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dichlofenthion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dichlofluanid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dichlorvos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diclobutrazol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Diclocymet (2 diastereoisomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dicloran (DCNA)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dicofol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dicrotophos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dieldrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diethofencarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Difenoconazole (cis- and trans-)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diflubenzuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diflufenican	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dimethachlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dimethametryn	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dimethenamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dimethoate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dimethomorph (E- and Z isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dimetilan	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dimoxystrobin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diniconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dinitramine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dinotefuran	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dioxacarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diphenamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diphenylamine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dipropetryn	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Disulfoton	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Disulfoton sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Disulfoton sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Diuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
DMST	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
(Dimethylaminosulfotoluidide)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dodemorph (cis- and trans-)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Dodine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Doramectin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Emamectin benzoate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Endosulfan I (alpha-isomer)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Endosulfan II (beta-isomer)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Endosulfan sulfate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Endrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
EPN	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Epoxiconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Eprinomectin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethaboxam	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethalfuralin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethidimuron (Sulfadiazole)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethiofencarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethiofencarb sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethiofencarb sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethiprole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethirimol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethofumesate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ethoprophos (Ethoprop)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Etofenprox	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Etoazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Etrimfos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Famoxadone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenamidone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenamiphos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenamiphos sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenamiphos sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenarimol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenazaquin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenbuconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenbutatin oxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenchlorphos (Ronnel)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenchlorphos oxon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenhexamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenitrothion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenobucarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenoxanil (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenoxycarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenpropathrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenpropidin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenpropimorph	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenpyroximate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fensulfothion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fensulfothion oxon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fensulfothion oxon sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fensulfothion sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenthion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenthion oxon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenthion oxon sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenthion oxon sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenthion sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenthion sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fentin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fentrazamide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fenvalerate/Esfenvalerate (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fipronil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fipronil desulfinyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fipronil sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flazasulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flonicamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Florylpicoxamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluazaindolizine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluazifop-butyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flubendiamide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flucarbazone-sodium	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flucythrinate (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fludioxonil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flufenacet	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flufenoxuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flumethrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Flumetsulam	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flumioxazin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluometuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluopicolide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluopyram	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluoxastrobin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluquinconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluridone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flusilazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flutolanil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Flutriafol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluvalinate, tau- (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fluxapyroxad	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fonofos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Foramsulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Forchlorfenuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Formetanate hydrochloride	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Formothion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fosthiazate (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Fuberidazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Furalaxyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Furathiocarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Griseofulvin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Halofenozide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Halosulfuron-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Haloxyp-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
HCH, alpha- (alpha-BHC)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
HCH, beta- (beta-BHC)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
HCH, delta- (delta-BHC)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Heptachlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Heptachlor endo-epoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Heptachlor exo-epoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Hexachlorobenzene (HCB)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Hexaconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Hexaflumuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Hexazinone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Hexythiazox	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Hydramethylnon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Hydroprene, S- (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Imazalil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Imazamethabenz-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Imazethapyr	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Imidacloprid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Indoxacarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ipconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Iprodione	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Iprodione isomer	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Iprodione metabolite	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Iprovalicarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isocarbamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isocarbophos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isofenphos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Isofenphos-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isoprocarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isoprothiolane	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isoproturon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isoxaben	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isoxadifen-ethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isoxaflutole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Isoxathion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ivermectin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Kresoxim-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Lactofen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Lenacil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Lindane (gamma-HCH, gamma-BHC)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Linuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Lufenuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Malaoxon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Malathion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mandipropamid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mecarbam	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mefentrifluconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mepanipyrim	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mepanipyrim-2-hydroxypropyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mephosfolan	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mesosulfuron-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mesotrione	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metaflumizone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metalaxyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metamitron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metazachlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methabenzthiazuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methacrifos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methamidophos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methidathion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methiocarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methiocarb sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methiocarb sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methomyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methoprotrene	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methoxychlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Methoxyfenozide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metobromuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metolachlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metolcarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metosulam	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metoxuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metrafenone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metribuzin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Metsulfuron-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mevinphos (E- and Z-isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mexacarbate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
MGK 264 (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Mirex	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Molinate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Monocrotophos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Monolinuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Moxidectin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Myclobutanil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Naled (Dibrom)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Naphthol, 1-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Napropamide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Neburon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Nicosulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Nitenpyram	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Nitralin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Nitrofen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Nonachlor, cis-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Nonachlor, trans-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Norflurazon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Norflurazon-desmethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Novaluron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Nuarimol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Ofurace	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Omethoate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxadiazon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxadixyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxamyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxamyl oxime	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxasulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxycarboxin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxychlorthane	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxydemeton-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Oxyfluorfen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Paclobutrazol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Paraoxon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Paraoxon-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Parathion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Parathion-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Penconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pencycuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pendimethalin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Penoxsulam	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pentachloroaniline	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pentachloroanisole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pentachlorobenzene	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pentachlorobenzonitrile	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pentachloroethoxyanisole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Permethrin (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Perthane (Ethylan)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phenmedipham	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phenthoate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phenylphenol, 2- (OPP)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phorate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Phorate sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phorate sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phosalone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phosmet	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phosmet oxon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phosphamidon (E- and Z isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Phoxim	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Picolinafen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Picoxystrobin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Piperonyl butoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Piperophos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pirimicarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pirimicarb-desmethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pirimiphos-ethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pirimiphos-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pirimiphos-methyl, N-desethyl-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Prallethrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pretilachlor	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Primisulfuron-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Prochloraz	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Procymidone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Prodiamine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Profenofos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Profluralin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Promecarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Prometon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Prometryn	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propamocarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propanil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propaquizafop	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propargite	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propetamphos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propham	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propiconazole (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propoxur	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Propyzamide (Pronamide)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Proquinazid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Prosulfocarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Prothioconazole-desthio	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Prothiofos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pymetrozine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyracarbolid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyraclostrobin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyraflufen-ethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyrazophos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyrethrum (total)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyridaben	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyridalyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyridaphenthion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyridate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyrifenoxy (E- and Z-isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyrimethanil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Pyriproxyfen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyroquilon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyroxasulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Pyroxulam	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Quinalphos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Quinmerac	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Quinoclamine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Quinoxifen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Quintozene	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Quizalofop	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Quizalofop-ethyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Resmethrin (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Rimsulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Rotenone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
S421	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Schradan	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
(Octamethylpyrophosphoramidate)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Secbumeton	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Sethoxydim (E- and Z-isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Siduron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Silthiofam	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Simazine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Simeconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Simetryn	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Spinetoram (spinosyns J and L)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Spinosad (spinosyns A and D)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Spirodiclofen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Spiromesifen	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Spiromesifen enol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Spirotetramat	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Spiroxamine (2 diastereoisomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Sulfallate	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Sulfentrazone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Sulprofos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tebuconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tebufenozide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tebufenpyrad	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tebupirimfos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tebuthiuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tecnazene	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Teflubenzuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tefluthrin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Temephos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tepraloxydim (E- and Z isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Terbacil	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Terbufos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Terbufos sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Terbufos sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Terbuthylazine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Terbutryn	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tetrachloroaniline, 2,3,5,6-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tetrachloroanisole, 2,3,4,5-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095

Analyte	Reference	SOP
Tetrachlorvinphos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tetraconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tetradifon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tetrahydrophalimide (THPI)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tetramethrin (sum of isomers)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiabendazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiabendazole-5-hydroxy-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiacloprid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiamethoxam	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiazopyr	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thidiazuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thifensulfuron-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiobencarb (Benthiocarb)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiodicarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiofanox	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiofanox sulfone	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiofanox sulfoxide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thionazin (Zinophos)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Thiophanate-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tolclofos-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tolfenpyrad	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tolylfluanid	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tralkoxydim	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Triadimefon	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Triadimenol	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Triasulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Triazophos	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tribenuron-methyl	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tribufos (DEF)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Trichlorfon (Metrifonate)	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Trichloroanisole, 2,4,6-	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Tricyclazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Trietazine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Trifloxystrobin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Trifloxysulfuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Triflumizole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Triflumuron	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Trifluralin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Triforine	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Trimethacarb	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Triticonazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Uniconazole	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Vamidothion	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Vinclozolin	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095
Zoxamide	AOAC 2007.01 (Modified), CEN 15662	SNG-TM4095



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for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of A2LA R204 - *Specific Requirements - AOAC Laboratory Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 8th day of May 2025.

A blue ink signature of Mr. Trace McInturff, Vice President of Accreditation Services.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2918.02
Valid to July 31, 2027

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.