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Foreword

The National Residue Survey (NRS) Proficiency Test (PT) Handbook 20th Edition Issue 2 provides information for laboratories interested in participating in NRS proficiency testing programs for residues of agricultural chemicals, drugs, natural toxins and environmental contaminants in animal products, plant materials, food, feed and other inputs to production. This addendum presents new information or information that may have changed since the 20th Edition, Issue 2 was published. The NRS PT offered is based on the range of NRS random monitoring programs that will be operating in the 2023-2024 period. NRS is accredited by the National Association of Testing Authorities (NATA) as a Proficiency Testing Scheme provider.

Laboratories interested in tendering for 13th term NRS analytical service contracts (1st July 2024 – 30th June 2027) should consult the NRS Request for Tender document for specific information on the laboratory contracts offered, prerequisite PT participation, indicative sample numbers, the tendering process and minimum level of performance required by contract laboratories during the 13th term contract period. Laboratories intending to tender for NRS 13th term contracts must participate in the relevant PT, to be conducted between August and November 2023. The programs listed in this Handbook are proposed to be offered as 13th term NRS contracts, however, the actual programs offered and final sample numbers will be identified in the NRS Request for Tender document available from AusTender website www.tenders.gov.au due for release July 2023.



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Changes to the NRS PT program specifications

CHANGES TO MEAT PT PROGRAMS

<u>Program No</u>	<u>Program Name</u>
PROGRAM 19	PFAS, PFOA, PFNA and PFHxS in MUSCLE
PROGRAM 32	Indicator PCBs in eggs
PROGRAM 40	Flupropanate in kidney

Note 1: For the beginning of the 13th contract term, Program 19: PFAS, PFOA, PFNA and PFHxS in muscle and Program 40: Flupropanate in kidney are expected to operate.

Note 2: The NRS LORs for analytes in Program 32: Indicator PCBs in eggs have been expressed on a mg/kg fat basis.

Program 19: Per- and polyfluoroalkyl substances in muscle

ANALYTE	Proposed NRS LOR (mg/kg)
PFOS	0.00030
PFOA	0.00020
PFNA	0.00020
PFHxS	0.00020

Specification of PT Samples

PT will not be available for this program.

Program 32: Indicator PCBs in eggs

ANALYTE	NRS LOR (mg/kg fat)
PCB#101	0.000050
PCB#138	0.000050
PCB#153	0.000050
PCB#180	0.000050
PCB#28	0.000050
PCB#52	0.000050

Note: NRS LORs expressed on a fat basis

Specification of PT samples

PT will not be available for this program.

Program 40: Flupropanate in kidney

ANALYTE	NRS LOR (mg/kg fat)
flupropanate	0.00010

Specification of PT samples

PT will not be available for this program.

CHANGES TO GRAIN PT PROGRAMS

Program No	Program Name
PROGRAM 43	SULFURYL FLUORIDE AND FLUORIDE in CEREAL GRAINS, FLOUR, BRAN, PULSES and OILSEEDS
PROGRAM 49M	MYCOTOXINS in CEREAL GRAINS, FLOUR, BRAN, PULSES and OILSEEDS

Note 1: For the beginning of the 13th contract term, Program 43: Fluoride in cereal grains, flour, bran, pulses and oilseeds and Program 49M: Mycotoxins in cereal grains, flour, bran, pulses and oilseeds are expected to operate.

Program 43: Fluoride in cereal grains, flour, bran, pulses and oilseeds

ANALYTE	NRS LOR (mg/kg)
fluoride ion	0.20

Specification of PT Samples

PT will not be available for this program.

Program 49M: Mycotoxins in cereal grains, flour, bran, pulses and oilseeds

ANALYTE	NRS LOR (mg/kg)
aflatoxin G1	0.0010
aflatoxin G2	0.0010
aflatoxin B1	0.0010
aflatoxin B2	0.0010
deoxynivalenol	0.010
fumonisin B1	0.010
fumonisin B2	0.010
HT2	0.010
nivalenol	0.010
ochratoxin A	0.010
T2	0.010
zearalenone	0.010

Specification of PT Samples

PT will not be available for this program.

CHANGES TO HORTICULTURE PT PROGRAMS

<u>Program No</u>	<u>Program Name</u>
Macadamia nuts, Almonds, Apples and Pears	
PROGRAM 156	METALS in MACADAMIA NUTS, ALMONDS, APPLES and PEARS

Note 1: From 1 July 2023, nickel is included as a program analyte of Program 156: Metals in macadamia nuts, almonds, apples and pear. The pre-tender PT round in September 2023 will not include nickel.

Program 156: Metals in macadamia nuts, almonds, apples and pears

ANALYTE	NRS LOR (mg/kg)
arsenic (As) (total)	0.050
cadmium (Cd)	0.010
copper (Cu)	0.050
lead (Pb)	0.010
mercury (Hg)	0.010
nickel (Ni)	0.050

Specification of PT Samples

The 4-6 samples per round will comprise approximately 10g of frozen, spiked, homogenised macadamia nuts and/or apples or pears and/or citrus packed in glass jars (replicates will be provided). This is to be thawed and the entire sample extracted for analysis.