

CERTIFICATE

CERTIFIED REFERENCE MATERIAL (CRM) - **Milled wheat**

Reference material code: PT.UA.6.2.2017 **Lot No:** XXXXXXXXXXXXXXXX

Description: Certified reference material is milled wheat with mass (60±1) g, packed and sealed in plastic container.

Intended use: CRM is intended to be used for calibration and/or adjustment of a measuring system, validation and/or verification of methods, intralaboratory quality assurance.

Certified value with stated expanded uncertainty

Parameter	Certified value	U* of certified value	U**, % of certified value
Chlorpyrifos, ppb	173	47	27
Diazinon, ppb	26	9	36
Malathion, ppb	472	49	10
Pirimiphos-methyl, ppb	1251	302	24

*U – Expanded uncertainty is derived as a product of combined standard uncertainty with a coverage of $k=2$ and states the interval with the confidence level of approximately 95.45% with assumption of normal probability distribution. Uncertainty estimated according to JCGM 100:2008(ISO GUM).

**Relative expanded uncertainty, derived as a percentage of expanded uncertainty to certified value.

Certified values and uncertainties are obtained from the interlaboratory experiment of proficiency testing PT.UA.6.2.2017 ORGANOPHOSPHORUS PESTICIDES IN FEEDING STUFFS AND FOOD PRODUCTS OF PLANT ORIGIN ROUND 1, DECEMBER 2017.

Storage and transport conditions: CRM should be stored at room temperature range from 15 °C to 25 °C, protected from direct sunlight and relative humidity range from 40% to 75%. CRM transportation is allowed by any type of transport.

Safety requirements: CRM should not be used for any purposes except laboratory practice.

Metrological traceability: certified values are traceable to national standards.

Management system: Metrology service LLC is the provider and producer, that fulfills requirements of international standards ISO/IEC 17043:2010, ISO 17034:2016 and has ДСТУ ISO\IEC 17025:2006 accreditation.

Production date: 29.01.2018

Validity term: till 29.01.2019

CEO
METROLOGY SERVICE LLC



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