

**Amount of substance, Food, France, LNE (Laboratoire national de métrologie et d'essais)**

For 'Uncertainty convention 1', the expanded uncertainty range spans from the smallest numerical value of the uncertainty to the largest numerical value of the uncertainty found within the quantity range. For 'Uncertainty convention 2', the expanded uncertainty range is expressed as the uncertainty of the smallest value of the quantity to the uncertainty of the largest value of the quantity.

NMI Service Identifier	Measurement Service Sub-Category	Matrix	Measurand		Dissemination Range of Measurement Capability			Range of Expanded Uncertainties as Disseminated						Mechanism(s) for Measurement Service Delivery	Comments
			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?		
CMI-37-128	Contaminants	solid food	cadmium	Mass fraction	0.1	100	mg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-129	Contaminants	solid food	copper	Mass fraction	0.1	100	mg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-130	Contaminants	solid food	lead	Mass fraction	0.1	100	mg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-131	Contaminants	solid food	silver	Mass fraction	0.1	100	mg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-132	Contaminants	solid food	tin	Mass fraction	0.1	100	mg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-133	Contaminants	solid food	zinc	Mass fraction	0.1	100	mg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-134	Contaminants	liquid food	cadmium	Mass fraction	10	1000	µg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-135	Contaminants	liquid food	copper	Mass fraction	10	1000	µg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-136	Contaminants	liquid food	lead	Mass fraction	10	1000	µg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-137	Contaminants	liquid food	silver	Mass fraction	10	1000	µg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-138	Contaminants	liquid food	tin	Mass fraction	10	1000	µg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-139	Contaminants	liquid food	zinc	Mass fraction	10	1000	µg/kg	5	2	%	2	95%	Yes	Calibration	Uncertainty convention 2
CMI-37-140	Contaminants	solid food	arsenic	Mass fraction	1	100	mg/kg	6	4	%	2	95%	Yes	Calibration	Uncertainty convention 2

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			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?		
CMI-37-303-1	Other	wine	ethanol	Mass fraction	50	200	g/kg	4	2	%	2	95%	Yes	Calibration	Uncertainty convention 2 Approved on 01 March 2005
CMI-37-102-6	Contaminants	non-fatty tissue	mercury	Mass fraction	0.1	100	mg/kg	7.0	2.0	%	2	95%	Yes	Calibration	Uncertainty convention 2 Approved on 02 November 2006
CMI-37-102-7	Nutritional constituents	non-fatty tissue	selenium	Mass fraction	0.1	100	mg/kg	7.0	2.0	%	2	95%	Yes	Calibration	Uncertainty convention 2 Approved on 02 November 2006
CMI-37-102-8	Nutritional constituents	non fatty tissue - bovine liver	zinc	Mass fraction	10	1000	mg/kg	2.0	5.0	%	2	95%	Yes	Calibration	Uncertainty convention 1 Approved on 15 December 2008
CMI-37-102-9	Nutritional constituents	non fatty tissue - bovine liver	iron	Mass fraction	10	1000	mg/kg	2.0	5.0	%	2	95%	Yes	Calibration	Uncertainty convention 1 Approved on 15 December 2008

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			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?		
CMI-37-102-10	Contaminants	non fatty tissue - bovine liver	lead	Mass fraction	0.05	100	mg/kg	2.0	5.0	%	2	95%	Yes	Calibration	Uncertainty convention 1 Approved on 15 December 2008
CMI-37-102-11	Contaminants	non fatty tissue - bovine liver	cadmium	Mass fraction	0.05	100	mg/kg	5.0	5.0	%	2	95%	Yes	Calibration	Approved on 15 December 2008
CMI-37-102-4 R	Contaminants	non-fatty tissue	tin	Mass fraction	0.1	1000	mg/kg	5.0	2.0	%	2	95%	Yes	Calibration (assignment of a reference value to customer sample)	Uncertainty convention 2 Approved on 02 July 2007
CMI-37-103-3	Contaminants	liquid - wine	lead	Mass fraction	1	100	µg/kg	5.0	5.0	%	2	95%	Yes	Calibration	Approved on 24 June 2008
CMI-37-102-12	Nutritional constituents	flour and yeast	selenomethionine	Mass fraction	20	3500	mg/kg	3	10	%	2	95%	Yes	This measurement capability is available to our customer as a regular service. It can be used as reference value for PT provider or for the characterisation of CRMs	Uncertainty convention 1 Approved on 06 December 2011

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			Analyte or Component	Quantity	From	To	Unit	From	To	Unit	Coverage factor	Level of confidence			Is the expanded uncertainty a relative one?
CMI-37-102-13	Nutritional constituents	flour and yeast	selenium	Mass fraction	15	2100	mg/kg	3	6	%	2	95%	Yes	This measurement capability is available to our customer as a regular service. It can be used as reference value for PT provider or for the characterisation of CRMs	Uncertainty convention 1 Approved on 06 December 2011