



Freeze-Dried Eggs Reference Material

Catalog number:	EDF-5491
Lot number:	I-17119
Effective Date:	June 2013
Review Date:	June 2023 (unopened bottle only)
Amount per Ampoule:	6 Grams
Storage and Handling:	Store refrigerated (-5°C to 5°C). Protect from light. This product contains natural contamination of dioxins, furans, PCBs, and possibly other organic contaminants. It should be handled according to OSHA guidelines for hazardous material.
Intended Use:	For laboratory use only. Not suitable for human consumption.
Preparation:	This product is prepared from eggs originating from a farm in Italy. Multiple eggs were combined, homogenized, freeze-dried, ground, re-homogenized, and sieved to < 100 µm before packaging.
Interlaboratory Analysis:	This product was analyzed in an international interlaboratory study conducted by Cambridge Isotope Laboratories. Participating laboratories used a variety of sample preparation and analytical techniques.
Interlaboratory results:	Results of the international interlaboratory study are attached. Consensus values were independently assigned by TRIUM Inc. (Canada) using statistical analysis software. All values are presented at three significant figures. Analytes with fewer than five laboratories contributing acceptable data do not have assigned values reported in this study.

Authorized Signature: Jeffrey O'Neill **June 2013**
Quality Review Date

Participating Laboratories

Agat Laboratories – Canada
 Centre D'Expertise En Analyse Environnemental du Quebec – Canada
 Danish Veterinary and Food Administration – Denmark
 The Dow Chemical Company – USA
 Eurofins GfA Lab Service GmbH – Germany
 GV Conselleria de Sanidad-Centro Salud Pública – Spain
 Hiyoshi Corporation – Japan
 IDEA Consultants – Japan
 Instituto Espanol de Oceanografia – Spain
 Japan Environmental Sanitation Center – Japan
 Nab Labs Oy – Finland
 National Measurement Institute – Australia
 Oekometric GmbH – Germany
 Osaka Prefectural Institute Public Health – Japan
 RIKILT Institute of Food Safety – The Netherlands
 SGS Analytical Perspectives – USA
 Shimadzu Techno-Research Inc. – Japan
 TestAmerica, Inc. – USA
 Universidad de Cantabria – Spain
 WESSLING GmbH - Germany

Results

The following tables list the assigned value, standard deviation, reference value, and number of reported values for each analyte in the particular item class.

Analyte	Assigned Value ¹	(all values in ng/kg)		(n) ³
		Standard Deviation	Reference Value ²	
<i>Polychlorinated dioxins & furans</i>				
2,3,7,8-TetraCDD	0.21	0.27	0.21 ± 0.54	6
1,2,3,7,8-PentaCDD	0.34	0.23	0.34 ± 0.46	8
1,2,3,4,7,8-HexaCDD	0.16	0.09	0.16 ± 0.18	6
1,2,3,6,7,8-HexaCDD	0.75	0.94	0.75 ± 1.88	11
1,2,3,7,8,9-HexaCDD	0.34	0.57	0.34 ± 1.14	7
1,2,3,4,6,7,8-HeptaCDD	1.21	1.94	1.21 ± 3.88	11
OctaCDD	2.08	1.22	2.08 ± 2.44	11
2,3,7,8-TetraCDF	0.47	0.33	0.47 ± 0.66	10
1,2,3,7,8-PentaCDF	0.35	0.17	0.35 ± 0.34	11
2,3,4,7,8-PentaCDF	0.56	0.27	0.56 ± 0.54	15
1,2,3,4,7,8-HexaCDF	0.40	0.16	0.40 ± 0.32	11
1,2,3,6,7,8-HexaCDF	1.98	5.54	1.98 ± 11.08	11
2,3,4,6,7,8-HexaCDF	0.40	0.26	0.40 ± 0.52	11
1,2,3,4,6,7,8-HeptaCDF	1.42	3.45	1.42 ± 6.90	9

CIL subscribes to the following standards for different products: ISO Guide 34, ISO/IEC 17025, ISO 13485 and cGMP as appropriate.

Analyte	(all values in ng/kg)			(n) ³
	Assigned Value ¹	Standard Deviation	Reference Value ²	
<i>Polychlorinated biphenyls</i> ⁴				
2,4,4'-TriCB (PCB-28)	162.18	116.24	162.18 ± 232.48	13
2,2',3,5'-TetraCB (PCB-44)	211.74	312.30	211.74 ± 624.60	6
2,2',4,5'-Tetra CB (PCB-49)	18.86	14.59	18.86 ± 29.18	6
2,2',5,5'-TetraCB (PCB-52)	82.11	110.65	82.11 ± 221.30	12
2,4,4',5-TetraCB (PCB-74)	74.68	22.18	74.68 ± 44.36	6
3,3',4,4'-TetraCB (PCB-77)	13.88	8.06	13.88 ± 16.12	15
3,4,4',5-TetraCB (PCB-81)	1.20	0.67	1.20 ± 1.34	13
2,2',4,4',6-PentaCB (PCB-99)	155.50	16.22	155.50 ± 32.44	6
2,2',4,5,5'-PentaCB (PCB-101)	116.30	136.03	116.30 ± 272.06	11
2,3,3',4,4'-PentaCB (PCB-105)	183.90	82.88	183.90 ± 165.76	18
2,3,4,4',5-Penta CB (PCB-114)	10.67	5.05	10.67 ± 10.10	14
2,3',4,4',5-PentaCB (PCB-118)	510.66	243.31	510.66 ± 486.62	18
2',3,4,4',5-PentaCB (PCB-123)	9.74	7.71	9.74 ± 15.42	13
3,3',4,4',5-PentaCB (PCB-126)	6.62	2.96	6.62 ± 5.92	15
2,2',3,3',4,4'-HexaCB (PCB-128)	113.04	77.83	113.04 ± 155.66	7
2,2',3,4,4',5'-HexaCB (PCB-138)	809.55	272.24	809.55 ± 544.48	13
2,2',3,4',5',6-HexaCB (PCB-149)	77.15	20.88	77.15 ± 41.76	6
2,2',3,5,5',6-HexaCB (PCB-151)	38.08	13.62	38.08 ± 27.24	5
2,2',4,4',5,5'-HexaCB (PCB-153)	901.71	515.86	901.71 ± 1031.72	13
2,3,3',4,4',5-HexaCB (PCB-156)	109.00	46.26	109.00 ± 98.52	16
2,3,3',4,4',5'-HexaCB (PCB-157)	24.49	17.73	24.49 ± 35.46	14
2,3,3',4,4',6-HexaCB (PCB-158)	68.57	9.50	68.57 ± 19.00	6
2,3',4,4',5,5'-HexaCB (PCB-167)	50.38	23.32	50.38 ± 46.64	16
3,3',4,4',5,5'-HexaCB (PCB-169)	4.30	8.64	4.30 ± 17.28	13
2,2',3,3',4,4',5-HeptaCB (PCB-170)	381.94	222.44	381.94 ± 444.88	9
2,2',3,3',4',5,6-HeptaCB (PCB-177)	109.83	14.16	109.83 ± 28.32	6
2,2',3,4,4',5,5'-HeptaCB (PCB-180)	658.68	319.61	658.68 ± 639.22	15
2,2',3,4,4',5',6-HeptaCB (PCB-183)	120.67	17.27	120.67 ± 34.54	6
2,2',3,4',5,5',6-HeptaCB (PCB-187)	274.50	38.73	274.50 ± 77.46	6
2,3,3',4,4',5,5'-HeptaCB (PCB-189)	15.29	6.49	15.29 ± 12.98	14
2,2',3,3',4,4',5,5'-OctaCB (PCB-194)	103.02	16.80	103.02 ± 33.60	7
2,2',3,3',4,4',5,6-OctaCB (PCB-195)	41.56	14.82	41.56 ± 29.64	5
2,2',3,3',4,5,5',6'-OctaCB (PCB-201)	90.29	48.20	90.29 ± 96.40	6
2,2',3,3',4,4',5,5',6-NonaCB (PCB-206)	20.90	12.69	20.90 ± 25.38	5
<i>Other contaminants</i>				
Hexachlorobenzene	155.92	85.91	155.92 ± 171.82	5

¹ Assigned value as determined by TRIUM Inc. (Canada) using STATISTICA data analysis software analysis of raw interlaboratory study data.

² Reference value is the Assigned Value plus or minus two standard deviations. Negative numbers resulting from two standard deviations being greater than the assigned value have no significance.

³ Number of laboratories providing results for this analyte.

⁴ All numbers in parentheses refer to the IUPAC designation for the compound.



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Bologna (Department of Chemical Analysis of Food)

Via Fiorini, 5 Bologna (BO) - Tel 051/4200022 - Fax 051/4200055

Test Report: 2012/25737/1
Date of issue: 07/02/2012

Material tested: EGGs
Internal Circuits Laboratory
Motivation of the message: 1
Number of samples: 1) EGG C
Sample identification: 31/01/2012 Place of collection: Via P. Fiorini 5 Bologna (BO)
Sampling date: 11 CIND 2011
Accompanying document: 31/01/2012
Date of receipt: 31/01/2012
Registration Date: 31/01/2010 at: Bologna (Department of Chemical Degla food)
Owner: IZSLER - Department Of Animal Origin resident by Fiorini, 5 - 40100 Bologna (BO)
Headquarters: Department of Chemical Aliment Via P. Fiorini 5-40100 Bologna (BO)
Consignor: Department of Chemical Aliment resident in Via P. Fiorini 5-40100 Bologna (BO)
Condition of material given: suitable
Notes to the acceptance: INCA Consortium

RESULTS OF TESTS

1st test: Influenza type A: causative agent technique: Real-time PCR method Test: MP 09/032 rev.0
Sample: 1
Result: not detected
2nd Test: Newcastle disease: causative agent technique: Real-time PCR method Test: MP 09/032 rev.0
Sample: 1
Result: not detected

SUMMARY OF STRUCTURES THAT HAVE PERFORMED TESTS

Identifiers (id): 1,2 refers to tests carried out at: Section of Ravenna-laboratory serology Start Date 01/02/2012 tests: test end date 07/02/2012
Official who authorized the release: Dr. Matthew Frasnelli

This test report relates only to the samples tested and may not be reproduced in part but only in its complete form
The samples are removed at the end of the test date except those subject to specific rules
The sampling is not within the responsibility of the laboratory and performed independently from clients / their agents
The individual dates of start and end of the analysis where these are not traceable in the registration documents of the laboratory
the letters MP or NK identifies an internal test method

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Bologna (Reparto Chimico degli alimenti)
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Rapporto di Prova N° 2012/25737/1
Emesso il 07/02/2012

Spett. Reparto Chimico degli Alimenti
Via P. Fiorini 5
40100 Bologna (BO)

Materiale conferito: **UOVA**

Motivazione del conferimento: Circuiti interni di laboratorio

Numero campioni: 1

Così identificati: 1) EGG C

Data di prelievo: 31/01/2012 Luogo di prelievo: Via P. Fiorini 5 Bologna (BO)

Documento di accompagnamento: 11 CIND 2011

Data di ricezione: 31/01/2012

Data di registrazione: 31/01/2012, presso: Bologna (Reparto chimico degli alimenti)

Proprietario: **Izsler - Reparto Mercatologia Degli Alimenti Di Origine Animale** residente in Via Fiorini, 5 - 40100 Bologna (BO)

Sede Operativa: **Reparto Chimico degli Alimenti** Via P. Fiorini 5 - 40100 Bologna (BO)

Conferente: **Reparto Chimico degli Alimenti** residente in Via P. Fiorini 5 - 40100 Bologna (BO)

Condizioni del materiale conferito: Idoneo

Note all'accettazione: CONSORZIO INCA

RISULTATI DELLE PROVE

Id.

1 **Prova:** Influenza tipo A: agente eziologico **Tecnica:** PCR Real Time **Metodo di Prova:** MP 09/032 rev. 0

Sul campione: 1

Esito: Non dimostrata presenza

Per il campione analizzato

2 **Prova:** Malattia di Newcastle: agente eziologico **Tecnica:** PCR **Metodo di Prova:** MP 09/035 rev. 0

Sul campione: 1

Esito: Non dimostrata presenza

Per il campione analizzato

RIEPILOGO DELLE STRUTTURE CHE HANNO ESEGUITO LE PROVE

Gli identificativi (Id.): 1, 2 sono riferiti a prove eseguite presso:

Sezione di Ravenna - Laboratorio Sterologia

Dirigente che ha autorizzato il rilascio: Frasnelli Dott. Matteo

Data inizio prove: 01/02/2012; data fine prove: 07/02/2012

Il presente rapporto di prova riguarda solo i campioni sottoposti a prova e non può essere riprodotto parzialmente ma solo nella sua forma completa. I campioni vengono eliminati alla data di fine prova ad eccezione di quelli sottoposti a normativa specifica.

Il campionamento non rientra nelle responsabilità del laboratorio; è effettuato autonomamente dai committenti/loro incaricati o da entità terze. Le singole date di inizio e fine analisi, ove non presenti, sono rintracciabili nei documenti di registrazione del laboratorio.

La sigla MP o NK identifica un "Metodo di prova interno".

*** FINE RAPPORTO ***

Questo è l'originale cartaceo del documento la cui minuta è conservata esclusivamente in formato elettronico secondo quanto previsto dalla normativa vigente

Il Dirigente

Fedrizzi Dott. Giorgio