



Food Chemistry (QFCS) Individual Report

FC322 Round 322

FC5241 – Enzipan Laboratorios SA

Issue Number: 1

Issued: 30/03/2023



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LGC Proficiency Testing

1 Chamberhall Business Park | Chamberhall Green | Bury |
United Kingdom | BL9 0AP

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Sample Details

Samples were despatched: 20 February 2023

Reporting Deadline Date: 27 March 2023

The following samples were despatched in QFCS Round 322:

781	Gluten in flour
871	Elements in herbs

Further information regarding assigned values, performance assessment and technical comments can be found under the individual sample and analyte results.

The following samples were despatched in QFCS Round 322:

770	High fibre cracker
772	Prep-prepared pasta based meal
774	Water activity in cured meat
776	Brown bread
778	Edible palm oil
782	Full fat spread
783	Tomato paste/puree
811	Ketchup
821	Dehydrated instant noodles
822	Malt vinegar
824	Instant coffee
826	Chilli powder
829	Nutritional analysis of tea
832	Nutritional analysis of non-wheat flour
850	Vanillin in vanilla
876	Water activity of sauces
877	Nutritional analysis of a plant-based meat alternative

Further information regarding assigned values, performance assessment and technical comments can be found under the individual sample and analyte results.

The following samples were despatched in QFCS Round 322:

836	pesticides in pome fruit
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Further information regarding assigned values, performance assessment and technical comments can be found under the individual sample and analyte results.

Individual Report

This individual report contains a summary of all the results submitted and the performance assessment for your laboratory/individual analysts. Please note that the nominated results for each analyte are indicated by the blue highlight in the analyst field.

Full details of the scheme, sample types and data analysis can be found in the corresponding Main Report, along with any technical comments, if applicable. The main report is the definitive version.

If you have any questions regarding your results which are not answered in the Main Report, please contact us using the details provided on the front of the report. If you would like to order any samples for re-testing please visit our web shop at www.lgcstandards.com or contact your local LGC representative.

Assessment Summary

Sample	Assessments Received	Satisfactory Assessments	Questionable Assessments	Unsatisfactory Assessments	Not Assessed
PT-FC-776	11	3	1	0	7
Round Total	11	3	1	0	7

Result which are Not Assessed should be review by comparing them with the assigned value and other relevant statistics given in the main report. Participants, according to their internal quality criteria, may consider Not Assessed results to be satisfactory, questionable or unsatisfactory. Further information regarding why results may not be assessed is given in the Scheme Information section of the main report.

Repeat PT samples are normally available for purchase, after the completion of the round. These samples can be purchased at a reduced rate if you have taken this sample during the main round. Visit our web shop at www.lgcstandards.com and search for the sample you require.

No unsatisfactory assessments in this round

For the following analytes you obtained an questionable result:

Sample	Analyte
PT-FC-776	Moisture

776 - Nutritional Analysis - bread matrix

Analyte	Analyst	Method	Result	Units	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Fat	AU	Acid hydrolysis & soxhlet	1.78	%	0.69*	1.47	0.164	0.415	0.447	11	1.47	1.35	0.415	0.477	AOAC 935.38
Protein	OR	Kjeldahl	8.31	%	-1.98*	9.18	0.322	0.3	0.440	10	9.18	9.32	0.816	0.886	Kjeldahl
Acidity	AU	Various	0.54	% Oleic acid		N/A	N/A	N/A	N/A	3	N/A	N/A	N/A	N/A	NTC 218:2011
Ash	AU	Various	1.93	%	0.94*	1.73	0.073	0.2	0.213	10	1.73	1.77	0.185	0.153	AOAC 930.22
Moisture	OR	Heating to constant weight	38.32	%	-2.69*	39.84	0.258	0.5	0.562	14	39.84	39.63	0.771	0.763	Heating to constant weight
Sodium	LC	Atomic Absorption	0.39	%	0.08	0.37	0.017	0.25	N/A	5	0.37	0.49	0.030	0.330	UNE-EN 15505:2008
Calcium	LC	AAS	98.59	mg/100g		N/A	N/A	N/A	N/A	3	N/A	N/A	N/A	N/A	UNE-EN 15505:2008
Iron	LC	AAS	2.10	mg/100g		N/A	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	AAS
Vitamin B1	NP	HPLC	12.24	mg/100g		N/A	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	HPLC
Vitamin B2	NP	HPLC	0.90	mg/100g		N/A	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	HPLC
pH	OR	pH Meter	5.57	not specified	0.20	5.55	0.021	0.1	N/A	3	5.55	5.53	0.030	0.059	pH Meter

* Please note, participant performance for this analyte has been assessed using a z' score, rather than a z score, in order to account for the measurement uncertainty of the assigned value which is not negligible when compared to the SDPA.



Water Microbiology (QWAS) Individual Report

WT317 Round 317

WT9854 – Enzipan Laboratorios SA

Issue Number: 1

Issued: 19/10/2022



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LGC Proficiency Testing

1 Chamberhall Business Park | Chamberhall Green | Bury |
United Kingdom | BL9 0AP

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Sample Details

Samples were despatched: 12 September 2022

Reporting Deadline Date: 17 October 2022

The following samples were distributed in QWAS Round 317:

Sample	Matrix	Contents
412	Lyophilised vial	<i>Rothia kristinae</i> <i>Escherichia coli</i> <i>Citrobacter koseri</i>
413	Lyophilised vial	<i>Pseudomonas aeruginosa</i> <i>Clostridium perfringens</i> <i>Rhodotorula mucilaginosa</i> <i>Penicillium italicum</i>
417	Lyophilised vial	<i>Legionella pneumophila</i> serogroup 10
418	Lyophilised vial	<i>Legionella pneumophila</i> serogroup 2
424	Lyophilised vial	<i>Staphylococcus aureus</i> <i>Clostridium perfringens</i>
426	Lyophilised vial	<i>Pseudomonas aeruginosa</i>
427	Paper exercise	

Further information regarding assigned values, performance assessment and technical comments can be found under the individual sample and analyte result.

Individual Report

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Full details of the scheme, sample types and data analysis can be found in the corresponding Main Report, along with any technical comments, if applicable. The main report is the definitive version.

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Assessment Summary

Sample	Assessments Received	Satisfactory Assessments	Questionable Assessments	Unsatisfactory Assessments	Not Assessed
PT-WT-412	6	6	0	0	0
Round Total	6	6	0	0	0

Result which are Not Assessed should be review by comparing them with the assigned value and other relevant statistics given in the main report. Participants, according to their internal quality criteria, may consider Not Assessed results to be satisfactory, questionable or unsatisfactory. Further information regarding why results may not be assessed is given in the Scheme Information section of the main report.

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No unsatisfactory assessments in this round

No questionable assessments in this round

412 - Potable Water Indicator combination

Analyte	Analyst	Method	Result	Units	Log 10	Z Score	Assigned Value	Ux AV	SDPA	Exp.SDPA	Number of results	Median	Mean	Robust SD	SD	Your Reference
Total aerobic count @ 37°C	KC	Other	89	cfu/mL	1.95	0.37	66	0.01	0.35	N/A	216	1.82	1.81	0.07	0.16	Other
Total aerobic count @ 37°C	KC	Other	119	cfu/mL	2.08	0.73	66	0.01	0.35	N/A	216	1.82	1.81	0.07	0.16	Other
Escherichia coli	KC	MEMF Chromogenic agar 37	99	cfu/ 100mL	2.00	0.64	59	0.01	0.35	N/A	237	1.77	1.74	0.12	0.20	MEMF Chromogenic agar 37
Escherichia coli	KC	MEMF Chromogenic agar 37	84	cfu/ 100mL	1.92	0.44	59	0.01	0.35	N/A	237	1.77	1.74	0.12	0.20	MEMF Chromogenic agar 37
Coliforms	KC	MEMF Chromogenic agar 37	90	cfu/ 100mL	1.95	0.29	71	0.01	0.35	N/A	243	1.85	1.82	0.16	0.24	MEMF Chromogenic agar 37
Coliforms	KC	MEMF Chromogenic agar 37	113	cfu/ 100mL	2.05	0.58	71	0.01	0.35	N/A	243	1.85	1.82	0.16	0.24	MEMF Chromogenic agar 37