



Enhanced Reporting

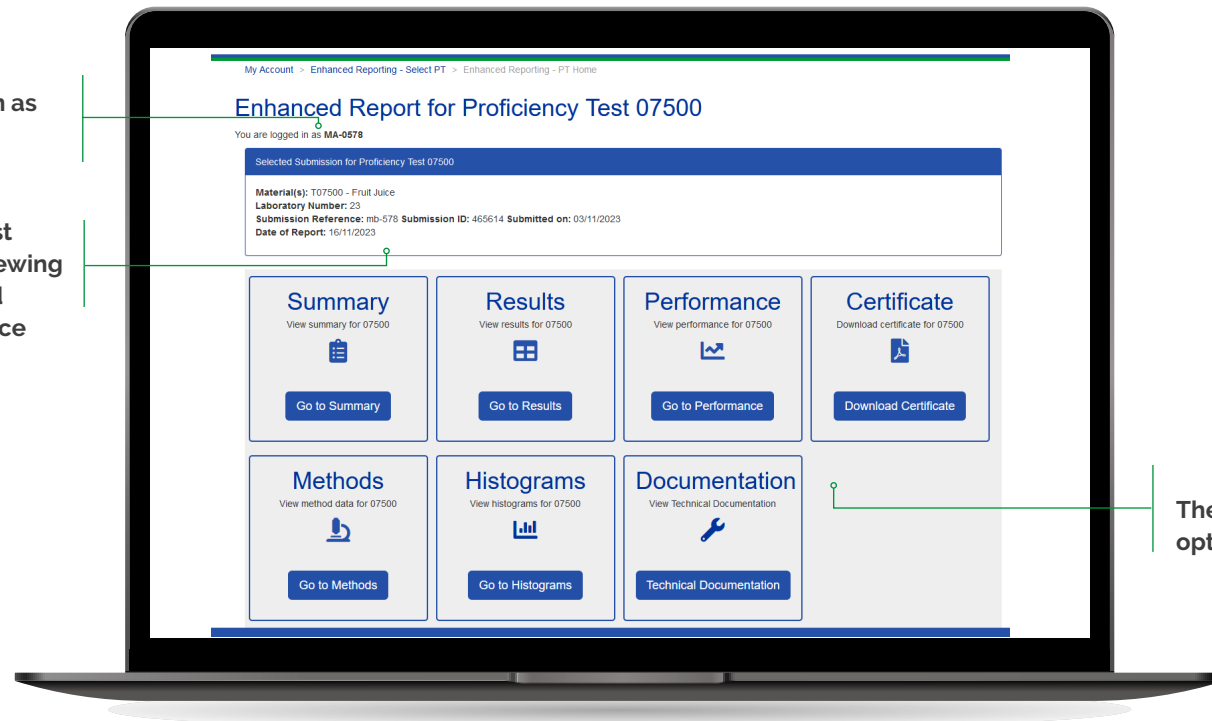
Guidance Document

Fapas Enhanced Reporting

Details of the test are shown at the top of the page, including your lab number, submission reference and date, along with the report issue date.

User ID logged in as

Details of the test which you are viewing on the Enhanced reporting interface



The 7 Enhanced Reporting options

Enhanced Reporting Homepage

Enhanced Summary Report

This is equivalent to the summary section in the main PT report, with the addition of the chosen statistic used, uncertainty, Standard Deviation (observed variance) and Target Standard Deviation (Standard Deviation for Proficiency Assessment, SDPA)

Equivalent to the standard summary table in the PDF reports

Proficiency Test 07500 Summary
You are logged in as MA-0578

Selected Submission for Proficiency Test 07500

Material(s): T07500 - Fruit Juice
Laboratory Number: 23
Submission Reference: mb-578 **Submission ID:** 465614 **Submitted on:** 03/11/2023
Date of Report: 16/11/2023

Proficiency Test 07500 Results Summary
Material: T07500 - Fruit Juice

Analyte	Assigned Value	AV Set As	Uncertainty	Units	Standard Deviation	Target Standard Deviation	Number of Scores, z ≤2	Total Number of Scores	% z ≤2
Arsenic (inorganic)	20.2	h15	0.5	µg/l	2.45	4.45	20	21	95
Cadmium	352	h15	5	µg/l	30.4	65.8	42	44	95
Iron	8.50	h15	0.11	mg/l	0.624	0.986	32	33	97
Lead	239	h15	2	µg/l	17.0	47.4	46	48	96
Tin	73.7	h15	0.7	mg/l	4.58	6.17	36	38	95

! Italics indicate for information only
Fapas PDF report is the definitive version
Notes: Arsenic (inorganic) (natural/low levels). Cadmium, Iron, Lead, Tin (all high levels)

New fields

Example of an Enhanced Summary Report

Enhanced Results Table

Equivalent to the results tables in the main PT report, but here results can be viewed on one clear page, which you can easily scroll up and down to find your results that are clearly highlighted in green.

We have replicated the formatting you will find in our standard PDF reports, so that z-scores greater than ± 2 will be in bold text, and any z-scores that are provided for *information only* will be in italics.

Show/Hide analytes option to allow you to view as many or as few analytes as you wish

z-scores of greater than 2 or less than -2 in bold, the same as PDF report

Your own results highlighted green

Proficiency Test 07500 Results

You are logged in as MA-0578

Selected Submission for Proficiency Test 07500

Material(s): T07500 - Fruit Juice
Laboratory Number: 23
Submission Reference: mb-578 Submission ID: 465614 Submitted on: 03/11/2023
Date of Report: 16/11/2023

Results for material T07500 - Fruit Juice

Show / Hide Analytes

Laboratory Number	Arsenic (inorganic) Assigned Value: 20.2 µg/l		Cadmium Assigned Value: 352 µg/l		Iron Assigned Value: 8.50 mg/l		Lead Assigned Value: 239 µg/l		Tin Assigned Value: 73	
	Result (µg/l)	z-score	Result (µg/l)	z-score	Result (mg/l)	z-score	Result (µg/l)	z-score	Result (mg/l)	z-score
14			338	-0.2	8.14	-0.4	226	-0.3	74.23	
15			325.64	-0.4			229.02	-0.2		
16	17.7	-0.6	347	-0.1	8.3	-0.2	218	-0.4	76	
17			336.37	-0.2	9.44	1.0	238.76	0.0	65.13	
18	17.6	-0.6	352	0.0	8.01	-0.5	237	0.0	77.9	
19	21.56	0.3	338.77	-0.2			244.87	0.1	70.40	
20			392	0.6	8.68	0.2	399	3.4	78.7	
21	0.96	-4.3	14.49	-5.1	0.37	-8.3	9.53	-4.8		
22			350	0.0	8.8	0.3	245	0.1	80	
23	19	-0.3	370	0.3	9.2	0.7	244	0.1	77.7	
24									73.5	
25			394	0.6	8.78	0.3	243	0.1		

Sort data in the columns with this symbol \updownarrow

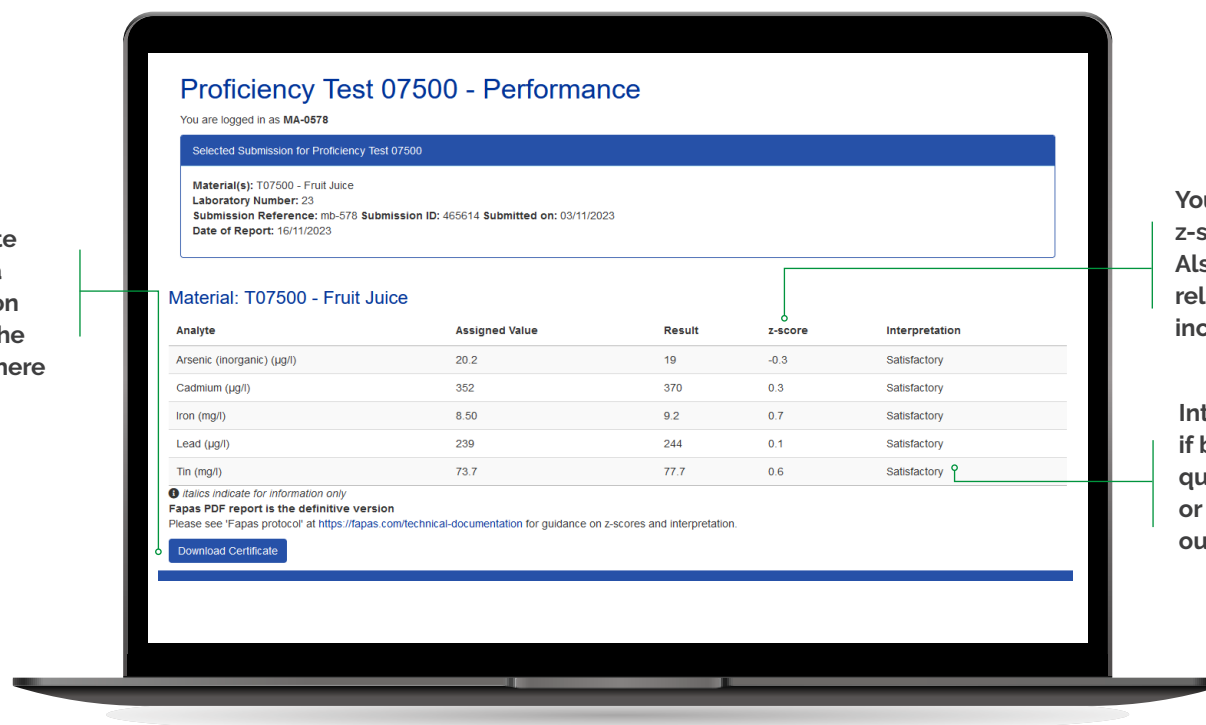
Easy to scroll through results

Example of an Enhanced Result Table for a given Analyte

Enhanced Performance Summary

In this completely new section you will be able to view your individual laboratory's performance for all the analytes you submitted results for on one clear screen. You can easily download a printable version of your performance summary/report in the form of a certificate from this area.

Download Certificate button to direct to a printable PDF version which includes all the information shown here



Your laboratory's results, z-scores, and interpretation. Also, any additional questions related to the test will be included here too.

Interpretation is satisfactory if between 2 and -2, questionable between 2 and 3 or -2 and -3. Not satisfactory if outside this range

Example of Enhanced Performance Summary

Enhanced Method Data

The new enhanced method data enables you to filter the information and easily view your laboratory methods with those used by other participants in the round. This can help with reviewing methods in the event of an issue with your result.

Filter tool allows you to include as many or as few labs as you wish in the tables. This means you can view just yours, or easily compare your methods to other selected labs

Confidentiality is of paramount importance to Fapas

Your own lab number highlighted green

Proficiency Test 07500 Methods

You are logged in as MA-0578

Selected Submission for Proficiency Test 07500

Material(s): 07500 - Fruit Juice
Laboratory Number: 23
Submission Reference: mb-578 Submission ID: 465614 Submitted on: 03/11/2023
Date of Report: 16/11/2023

Participants method data may have been edited to maintain participant confidentiality.

Fapas PDF report is the definitive version

Filter Laboratories

07500

Is the Method Used Accredited?	laboratory number
no	007 012 017 023 039
yes	004 005 006 008 009 011 015 020 023 025 026 027 029 030 031 034 035 036 037 038 040 041 042 044 045 046 047 049 051 052 053 054 055

What is Your Method Based On?

	laboratory number
In house method	004 005 017 020 023 026 027 029 031 034 037 039 041 042 006 047 049 054 006 008 009 012 038 030 038 040 045 051 052 053
Manufacturer/Kit Instructions/Technical Note	044
National Standard	007 011 015 025 035 036

Arsenic (inorganic)

Sample Weight (g)	laboratory number
≥1 - <2	006 009 023 026 029 035 044 045
≥2 - <5	007 018 049 052
≥5 - <10	042
<1	034 041

An Example of Enhanced Method Data.
(Please note that method data may be edited to maintain participant confidentiality)

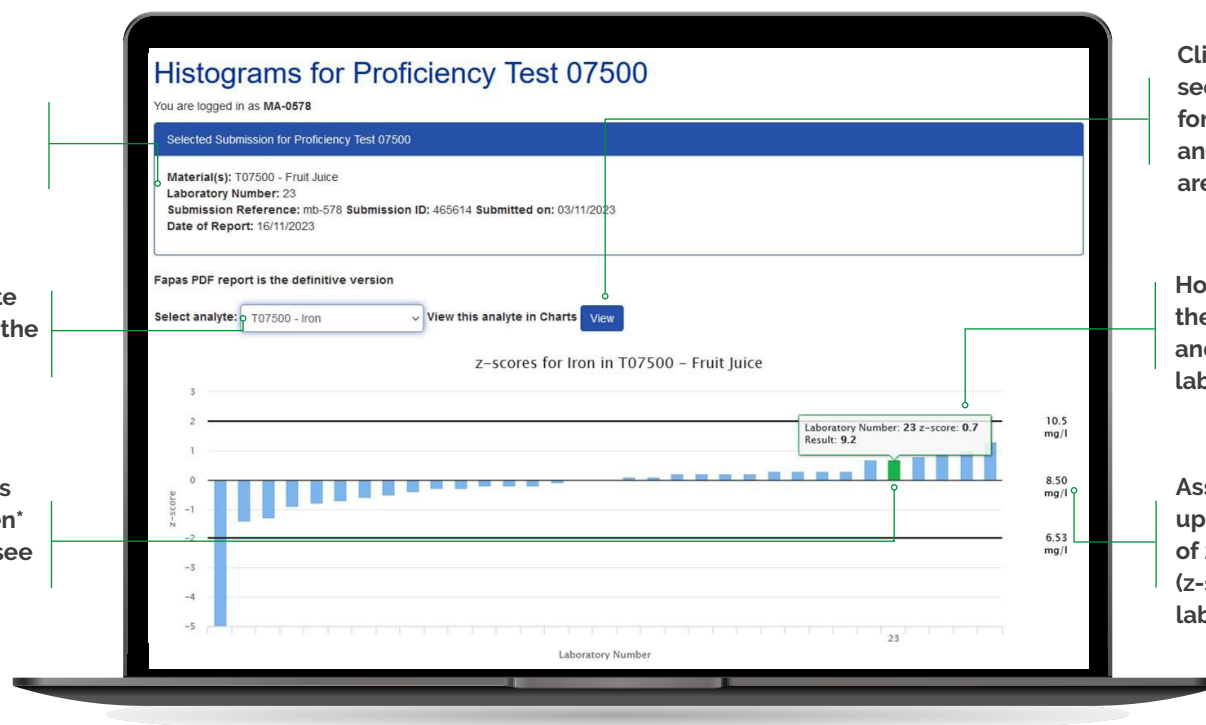
Enhanced Reporting Histograms

The enhanced reporting histograms make it simple to visualise your result and compare it with the other laboratories participating in the round for each analyte, using the analyte selector to view the ones relevant to your laboratory.

This box shows the submission information

Select the analyte you wish to view the histogram for

Your laboratory is highlighted green* so it is easier to see where you are in the distribution



Click the 'View' button to see historical performance for this family of matrices and analytes in our charting area

Hover over the bar to view the laboratory number and z-score for any of the laboratories in the histogram

Assigned Value, plus upper threshold (z-score of 2.0) and lower threshold (z-score of -2.0) included as labels on the right.

Example of an Enhanced Reporting Histogram

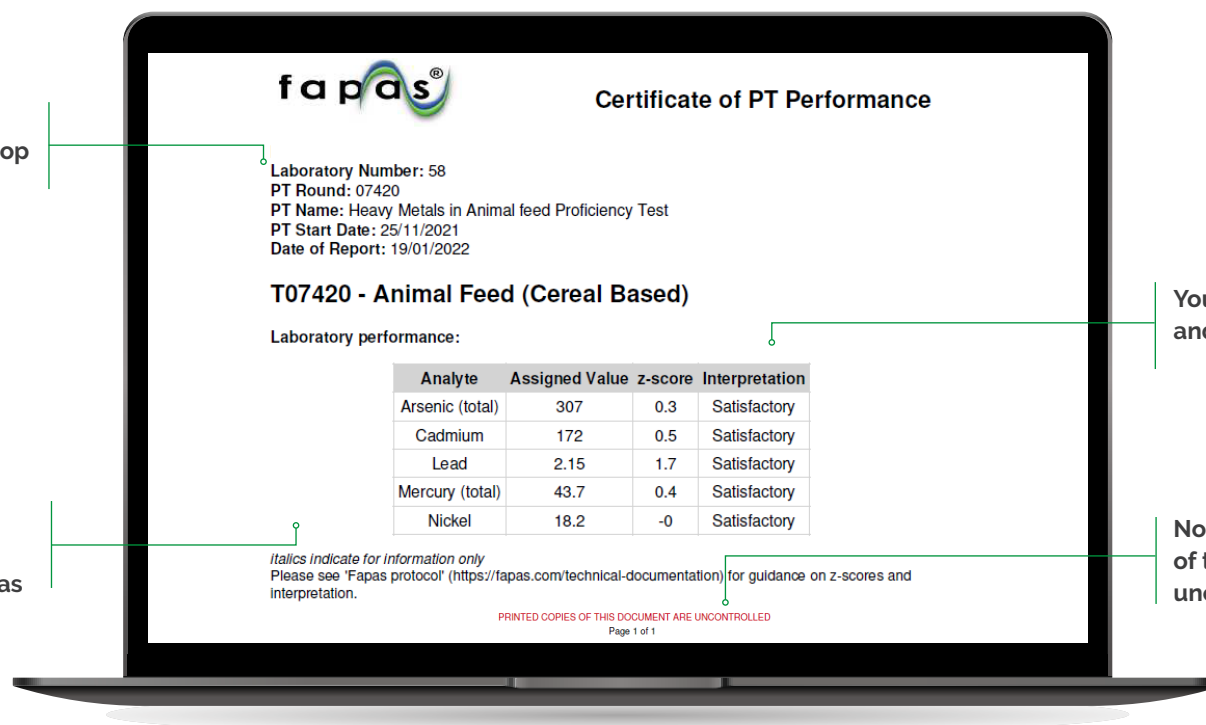
*Unless you have achieved a z-score = 0. In this case hover over the grey area to see your laboratory number

Enhanced Reporting Certificate

Our brand-new personalised Certificate of PT Performance includes all the crucial data from the PT in one clear and easy to understand printable document. Included is your lab number, key PT details and your own laboratory performance including z-scores and interpretation of these results.

All crucial data included at the top of the certificate

More info on z-scores and interpretation given by the Fapas protocol



Your laboratory's z-scores and interpretation of results

Note to say printed copies of the document are uncontrolled

Example of an Enhanced Reporting Certificate



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Original thinking... applied