



Industrial
VHG | ARMI | MBH
Paragon Scientific

Instruction Sheets

Industrial PTP
Industrial Proficiency Testing Program

lgcstandards.com/AXIO

Issue No: 1

Issued: 28/05/2025

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GENERAL INFORMATION

Storage and handling

- All samples should be stored at ambient temperature
- Petroleum based materials should be kept tightly capped and stored under normal laboratory conditions. They're flammable and should be stored away from heat or flame. Do not freeze or expose to direct sunlight. Minimize exposure to moisture or high humidity. May be harmful if swallowed or inhaled and may cause irritation. Do not get in eyes, on skin or on clothing. Do not breathe vapor. Use with adequate ventilation. Wash thoroughly after handling.

Sample Analysis

- Samples should be analysed by the normal method(s) used by your laboratory, under normal laboratory conditions

Confidentiality

- All information supplied by you shall be known only to persons involved in the operation of the PTP program and shall be treated as confidential.

Reporting Results

- All results should be submitted using PORTAL
- Please go to <https://portal.lgcstandards.com>
- Login using your Lab ID, username, and password.

If you need any help at all, please do not hesitate to contact our support team using the details below or your local LGC representative.

Tel: +44(0)161 762 2500

Email: axiopt@lgcgroup.com

PTP Samples:

PTP-CS	PTP-LA	PTP-TI
PTP-TS	PTP-CU	PTP-SS
PTP-CO	PTP-NI	

Description:
10mm disk, 3mm disk, 10g chips



Test the PT material(s) of your choice using your routine method(s)



Enter your test results into PORTAL

Enter the unique sample code that you received with your samples

Start a new On-Demand PT submission

Enter your unique sample code

Enter

For each analyte, enter the analyst name, the method and the test result (4 decimal places), and click the 'Save Changes' button

Sample	Analyst	Method	Result	Unit	Comments
10					
10					
10					
10					
10					

Confirm that you want to submit your results (no further edit can be made)

Are you sure you want to enter results for new sample without saving?

No, take me back

Yes, I am sure

Instantly view and download your assessment report

Sample	Analyst	Method	Unit	Result	Target Value	Unit	Test Comments	Passing Comments
10			% w/w	0.0011	0.0010	0.0010		Assigned value is based on an indicative prescribed value
10			% w/w	0.0010	0.0010	0.0010		Assigned value is based on an indicative prescribed value
10			% w/w	0.0010	0.0010	0.0010		Assigned value is based on an indicative prescribed value
10			% w/w	0.0010	0.0010	0.0010		Assigned value is based on an indicative prescribed value
10			% w/w	0.0010	0.0010	0.0010		Assigned value is based on an indicative prescribed value

[Back to sample list](#)



PTP-PB



Enter

[illegible]

Yes, I am sure

Process	Accepted	Rejected	Unit	Batch	U-Chart	Accepted Value	QMS	Test Frequency	Technical Comments
Ag	Yes	No	U-Chart	1000	0.0000	0.0000		Accepted value is based on an individual prescribed value	
At	Yes	No	U-Chart	1000	0.0000	0.0000		Accepted value is based on an individual prescribed value	
As	Yes	No	U-Chart	1000	0.0000	0.0000		Accepted value is based on an individual prescribed value	
Am	Yes	No	U-Chart	1000	0.0000	0.0000		Accepted value is based on an individual prescribed value	
B	Yes	No	U-Chart	1000	0.0000	0.0000		Accepted value is based on an individual prescribed value	
Be	Yes	No	U-Chart	1000	0.0000	0.0000		Accepted value is based on an individual prescribed value	

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PTP Sample:

VHG-VPTPVISC-50

Description

1 x 50mL of test sample



Viscosity at 40°C and/or 100°C

Analyse the sample for kinematic viscosity at 40°C and/or 100°C



Enter your test results (cSt) into PORTAL

Enter the unique sample code that you received with your samples

Start a new On-Demand PT submission

Enter

For each analyte, enter the analyst name, the method and the test result, and click the 'Save Changes' button

Duration: 10 min for offices - test account
Duration: 10 min for offices
1 Commercial Data Point
Data
LABORATORY DELTA OAP
UNITED KINGDOM

Contact Person
Email:
Submission Date: May 19 2025 09:27AM GMT+2

Sample Code: VHG4000044
Sample Description: PTP Sample for Viscosity Analysis

[Create Analyst](#) [Save Changes](#)

Analyte	Analyst	Methods	Unit	Result	Your Comments
40°C		ASTM D7042	cSt		
100°C		ASTM D7042	cSt		

Confirm that you want to submit your results (no further edit can be made)

Are you sure you want to enter results for new sample without saving?

No, take me back

Yes, I am sure

Instantly view and download your assessment report

[Download Report](#)

Analyte	Analyst	Methods	Unit	Result	Z Score	Assigned Value	SDPS	Your Comments
40°C		ASTM D7042	cSt		1.44		1.490	
100°C		ASTM D7042	cSt		1.39		0.265	

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PTP Sample:

VHG-VPTPPC-125

Description

1 x 125mL of test sample



Particle count

Analyse the cumulative number of particles per mL for particle diameters >4µm, >6µm, >8µm, >14µm, >21µm, >38µm, >50µm and >70µm



Enter your test results (# of particles) into PORTAL

Enter the unique sample code that you received with your samples

Start a new On-Demand PT submission

Enter your unique sample code

Enter

For each analyte, enter the analyst name, the method and the test result, and click the 'Save Changes' button

Summary tab for Methods: test method
Summary tab for Office: VHG Paragon Scientific Ltd
Date: 15/05/2025 15:27:00
Location: BILTMAR, UNITED KINGDOM

Sample Code: VHG20250003
Sample Description: PTP Sample for Particle Count Analysis

Sample	Analyst	Methods	Unit	Result	Z Score	Assigned Value	Score
> 4 µm	Richard Loftus	ASTM D 7096	# of Particles	12500	-0.07	9974	496.700
> 6 µm	Richard Loftus	ASTM D 7096	# of Particles	2000	-0.81		195
> 8 µm	Richard Loftus	ASTM D 7096	# of Particles	300	-0.61	370	15.000
> 14 µm	Richard Loftus	ASTM D 7096	# of Particles	621	-0.99		5.800
> 21 µm	Richard Loftus	ASTM D 7096	# of Particles	30	-0.35	34	1.700
> 38 µm	Richard Loftus	ASTM D 7096	# of Particles	21	-1		1
> 50 µm	Richard Loftus	ASTM D 7096	# of Particles	1	-0.5	8	0.400

Confirm that you want to submit your results (no further edit can be made)

Are you sure you want to enter results for new sample without saving?

No, take me back


Yes, I am sure

Instantly view and download your assessment report

Sample	Analyst	Methods	Unit	Result	Z Score	Assigned Value	Score
> 4 µm	Richard Loftus	ASTM D 7096	# of Particles	12500	-0.07	9974	496.700
> 6 µm	Richard Loftus	ASTM D 7096	# of Particles	2000	-0.81		195
> 8 µm	Richard Loftus	ASTM D 7096	# of Particles	300	-0.61	370	15.000
> 14 µm	Richard Loftus	ASTM D 7096	# of Particles	621	-0.99		5.800
> 21 µm	Richard Loftus	ASTM D 7096	# of Particles	30	-0.35	34	1.700
> 38 µm	Richard Loftus	ASTM D 7096	# of Particles	21	-1		1
> 50 µm	Richard Loftus	ASTM D 7096	# of Particles	1	-0.5	8	0.400

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PTP Sample: VHG-PTPSDSL-25	Description 1X 25g of #2 Diesel Fuel	
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Sulfur																			
Analyse the sample for ultra-low sulfur (S)																			
Enter your test results (mg/kg) into PORTAL																			
Enter the unique sample code that you received with your samples	<div>Start a new On-Demand PT submission</div> <div>Enter your unique sample code</div> <div>Enter</div>																		
For each analyte, enter the analyst name, the method and the test result, and click the 'Save Changes' button	<div>Dummy lab for offices - test account</div> <div>Country lab for offices</div> <div>1 Characterised Gas Pump</div> <div>Ref: LANCEDON-RLS-GAP</div> <div>UNITED KINGDOM</div> <div>Contact Person: Email</div> <div>Submission Date: May 19 2025 00:00PM GMT+2</div> <div>Sample Code: VHG4376L0044</div> <div>Sample Description: PTP Sample for Sulfur in #2 Diesel Fuel Analysis</div> <div>Create Analyst</div> <div>Save Changes</div> <table><tr><th>Analyte</th><th>Analyst</th><th>Methods</th><th>Unit</th><th>Result</th><th>Your Comments</th></tr><tr><td>Sulfur</td><td></td><td>ASTM D2002</td><td>mg/kg</td><td></td><td></td></tr></table>	Analyte	Analyst	Methods	Unit	Result	Your Comments	Sulfur		ASTM D2002	mg/kg								
Analyte	Analyst	Methods	Unit	Result	Your Comments														
Sulfur		ASTM D2002	mg/kg																
Confirm that you want to submit your results (no further edit can be made)	<div>Are you sure you want to enter results for new sample without saving?</div> <div>No, take me back</div> <div>Yes, I am sure</div>																		
Instantly view and download your assessment report	<table><tr><th>Analyte</th><th>Analyst</th><th>Methods</th><th>Unit</th><th>Result</th><th>Z Score</th><th>Assigned Value</th><th>SDPA</th><th>Your Comments</th></tr><tr><td>Sulfur</td><td></td><td>ASTM D2002</td><td>mg/kg</td><td></td><td>0.0</td><td></td><td></td><td></td></tr></table>	Analyte	Analyst	Methods	Unit	Result	Z Score	Assigned Value	SDPA	Your Comments	Sulfur		ASTM D2002	mg/kg		0.0			
Analyte	Analyst	Methods	Unit	Result	Z Score	Assigned Value	SDPA	Your Comments											
Sulfur		ASTM D2002	mg/kg		0.0														

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PTP Sample:

VHG-VPTPMO-25G

Description

- 1X 25g of 75 cSt.
hydrocarbon oil



Elemental analysis

Analyse the sample for up to 23
common elements by ICP-OES
(ASTM D5185) or RDE-AES (ASTM
D6595)



Enter your test results (µg/g) into PORTAL

Enter the unique sample
code that you received
with your samples

Start a new On-Demand PT submission

Enter your unique sample code

Enter

For each analyte, enter the
analyst name, the
method and the test
result, and click the 'Save
Changes' button

Creating test file: VHG-VPTPMO-25G
Creating test file: VHG-VPTPMO-25G
Creating test file: VHG-VPTPMO-25G
Creating test file: VHG-VPTPMO-25G

Current Project: VHG-VPTPMO-25G
Sample Code: VHG-VPTPMO-25G
Sample Description: VHG-VPTPMO-25G

Element	Analyst	Method	Test Result	Test Comments
Al	Richard Lofus	ASTM D5185	0.00	
As	Richard Lofus	ASTM D5185	0.00	
B	Richard Lofus	ASTM D5185	0.00	
Br	Richard Lofus	ASTM D5185	0.00	
Ca	Richard Lofus	ASTM D5185	0.00	
Cd	Richard Lofus	ASTM D5185	0.00	
Co	Richard Lofus	ASTM D5185	0.00	
Cu	Richard Lofus	ASTM D5185	0.00	
Fe	Richard Lofus	ASTM D5185	0.00	
Hg	Richard Lofus	ASTM D5185	0.00	
K	Richard Lofus	ASTM D5185	0.00	
Mn	Richard Lofus	ASTM D5185	0.00	
Mo	Richard Lofus	ASTM D5185	0.00	
Ni	Richard Lofus	ASTM D5185	0.00	
Pb	Richard Lofus	ASTM D5185	0.00	
P	Richard Lofus	ASTM D5185	0.00	
S	Richard Lofus	ASTM D5185	0.00	
Se	Richard Lofus	ASTM D5185	0.00	
Si	Richard Lofus	ASTM D5185	0.00	
Sr	Richard Lofus	ASTM D5185	0.00	
Ti	Richard Lofus	ASTM D5185	0.00	
V	Richard Lofus	ASTM D5185	0.00	
W	Richard Lofus	ASTM D5185	0.00	
Zn	Richard Lofus	ASTM D5185	0.00	

Confirm that you want to
submit your results (no
further edit can be made)

Are you sure you want to enter results for new sample without saving?

No, take me back

Yes, I am sure

Instantly view and
download your
assessment report

Element	Analyst	Method	Test Result	Test Comments
Al	Richard Lofus	ASTM D5185	0.00	
As	Richard Lofus	ASTM D5185	0.00	
B	Richard Lofus	ASTM D5185	0.00	
Br	Richard Lofus	ASTM D5185	0.00	
Ca	Richard Lofus	ASTM D5185	0.00	
Cd	Richard Lofus	ASTM D5185	0.00	
Co	Richard Lofus	ASTM D5185	0.00	
Cu	Richard Lofus	ASTM D5185	0.00	
Fe	Richard Lofus	ASTM D5185	0.00	
Hg	Richard Lofus	ASTM D5185	0.00	
K	Richard Lofus	ASTM D5185	0.00	
Mn	Richard Lofus	ASTM D5185	0.00	
Mo	Richard Lofus	ASTM D5185	0.00	
Ni	Richard Lofus	ASTM D5185	0.00	
Pb	Richard Lofus	ASTM D5185	0.00	
P	Richard Lofus	ASTM D5185	0.00	
S	Richard Lofus	ASTM D5185	0.00	
Se	Richard Lofus	ASTM D5185	0.00	
Si	Richard Lofus	ASTM D5185	0.00	
Sr	Richard Lofus	ASTM D5185	0.00	
Ti	Richard Lofus	ASTM D5185	0.00	
V	Richard Lofus	ASTM D5185	0.00	
W	Richard Lofus	ASTM D5185	0.00	
Zn	Richard Lofus	ASTM D5185	0.00	

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