

The PHARMASSURE proficiency testing scheme includes samples for physicochemical analytical techniques and microbiological analyses. The following form contains the calendar of rounds followed by descriptions of the samples and prices.

Please complete all sections below and return to LGC AXIO Proficiency Testing: axiopt@lgcgroup.com

Returning customer Lab
ID:

Purchase order no.:
(compulsory)

YOUR ORDER

If you would like to renew your order as per your previous year's order, please tick this box:

RENEW ME AS LAST YEAR

☐

We will copy over the samples/rounds purchased by you in the previous year and send you an order confirmation for your review. If you would like to add any other samples to your order, please mark them accordingly on the subsequent pages.

If you would prefer to place a different/new order for this scheme year, please review the samples available on subsequent pages and indicate the number of samples required for each sample/round accordingly.

SCHEDULE OVERVIEW

| Month & Round | Despatch Date | Reporting Deadline | Chemistry | Microbiology |
|---------------|---------------|--------------------|-------------------------------------|----------------|
| FEB PH088 | 26 Feb 2024 | 02 Apr 2024 | 01,2A,2E,6F,6J,6K,8B | 4A,4B,05 |
| MAY PH089 | 28 May 2024 | 01 Jul 2024 | 01,2B,6A,6B,6C,7A,11,12,19,20 | 03,05 |
| AUG PH090 | 27 Aug 2024 | 30 Sep 2024 | 01,2A,2E,6D,6E,6F,6M,8A,14,16,18,21 | 4A,4B,05,09,10 |
| NOV PH091 | 25 Nov 2024 | 06 Jan 2025 | 01,2B,6G,6H,6I,7A,7B,7C,11,13,15 | 03,05 |

Please ensure that LGC receive your order as soon as possible in order to avoid stock shortages. Please note that orders received the week prior to the despatch date may be subject to a despatch delay.

The despatch date shown above is the date the sample will leave our site in the UK. Please note, this is not the date the samples will arrive at your laboratory. Delivery times vary based on country, if you require further information, please contact LGC.

SAMPLE AVAILABILITY – PLEASE SEE PAGE 1 FOR SPECIFIC DESPATCH AND REPORTING DATES

Please indicate the number of samples required per round in the grid. If you require a sample in all available rounds, please complete the **ALL** column.

Please note: Where a footnote symbol (* | # | ^ | †) appears in a column, the footnote description text may appear at the end of a table that may span across multiple pages. Please scroll to the end of the table for these details.

For Pharmacopoeia method information, please scroll to the end of the **SAMPLE AVAILABILITY** section.

CHEMISTRY

| Chemical Testing | | | | Round and Month (PH) | | | | |
|------------------|------------------------------|--|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Sample | Quantity | Supplied As | Target Analytes | ALL | FEB 088 | MAY 089 | AUG 090 | NOV 091 |
| PT-PH-01 | Varying volumes | 6 samples 1A-1F | 1A: pH; 1B: Acid/Base titration; 1C: Other titrations, for the determination of: Dipotassium hydrogen phosphate, Sodium bicarbonate, Magnesium, Sodium chloride; 1D: Density; 1E: Refractive Index; 1F: Melting point | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PT-PH-02A | Varying volumes [^] | 1 sample and reference standard (PH088: Assay. PH090: Related substances test) | HPLC Analysis | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PT-PH-02B * | 5g sample; 1g matrix | Powder | Trace elements | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PT-PH-02E * | 2g sample; 1ml spike | Powder and spiking solution | Residual solvents | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

*Please note that these samples are not currently within the scope of LGC's UKAS accreditation

[^]Format depends upon type of test material.

| Advanced Chemical Testing | | | | Round and Month (PH) | | | | |
|---------------------------|------------------|--|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Sample | Quantity | Supplied As | Target Analytes | ALL | FEB 088 | MAY 089 | AUG 090 | NOV 091 |
| PT-PH-06A | Varying volumes^ | Sample and reference standard ^ | Gas Chromatography (GC) | <input type="checkbox"/> | | <input type="checkbox"/> | | |
| PT-PH-06B | Varying volumes^ | 1 sample^ | UV | <input type="checkbox"/> | | <input type="checkbox"/> | | |
| PT-PH-06C | 250mL | Liquid solution sample | Viscosity | <input type="checkbox"/> | | <input type="checkbox"/> | | |
| PT-PH-06D | Varying volumes^ | 1 sample^ | Loss on Drying (LOD) | <input type="checkbox"/> | | | <input type="checkbox"/> | |
| PT-PH-06E | Varying volumes^ | Sample and reference standard^ | FTIR | <input type="checkbox"/> | | | <input type="checkbox"/> | |
| PT-PH-06F | Varying volumes^ | PH088: Solid PH090: Liquid | Karl Fischer | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | |
| PT-PH-06G | Varying volumes^ | Sample, reference standard and TLC plates^ | TLC | <input type="checkbox"/> | | | | <input type="checkbox"/> |
| PT-PH-06H | 60mL | Liquid solution sample | FLAA | <input type="checkbox"/> | | | | <input type="checkbox"/> |
| PT-PH-06I | Varying volumes^ | 1 sample^ | Polarimetry | <input type="checkbox"/> | | | | <input type="checkbox"/> |
| PT-PH-06J | Varying volumes^ | 1 sample^ | Advanced Titration | <input type="checkbox"/> | <input type="checkbox"/> | | | |

| Advanced Chemical Testing | | | | Round and Month (PH) | | | | |
|---------------------------|------------------|---|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Sample | Quantity | Supplied As | Target Analytes | ALL | FEB 088 | MAY 089 | AUG 090 | NOV 091 |
| PT-PH-06K * | 1g | 1 sample^ | Nuclear Magnetic Resonance (NMR) Spectrometry | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| PT-PH-06M * NEW | Varying volumes^ | 1 sample^ | Residue on Ignition | <input type="checkbox"/> | | | <input type="checkbox"/> | |
| PT-PH-07A * | Varying volumes^ | PH089: HPLC PH091: UV | Dissolution testing | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> |
| PT-PH-07B * | – | 1 sample | Tablet testing | <input type="checkbox"/> | | | | <input type="checkbox"/> |
| PT-PH-07C * | 10 | Dosage units and reference standard | Uniformity of dosage units | <input type="checkbox"/> | | | | <input type="checkbox"/> |
| PT-PH-08A * | 125mL | 1 sample | Low level conductivity (<50 µS/cm) | <input type="checkbox"/> | | | <input type="checkbox"/> | |
| PT-PH-08B * | – | 1 sample | Particulate determination | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| PT-PH-11 * | 4mL | Solution | Endotoxins in solutions | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> |

*Please note that these samples are not currently within the scope of LGC's UKAS accreditation

^Format depends upon type of test material.

| Consumer Safety samples | | | | Round and Month (PH) | | | | |
|-------------------------|----------|-------------------|---|--------------------------|---------|--------------------------|---------|---------|
| Sample | Quantity | Supplied As | Target Analytes | ALL | FEB 088 | MAY 089 | AUG 090 | NOV 091 |
| PT-PH-12 * | 100mL | E-Liquid Solution | Nicotine; Propylene glycol; Glycerol; Density; Refractive index; pH | <input type="checkbox"/> | | <input type="checkbox"/> | | |

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| Dietary and Herbal Supplements | | | | Round and Month (PH) | | | | |
|--------------------------------|--|---------------------------------|---|--------------------------|---------|--------------------------|--------------------------|--------------------------|
| Sample | Quantity | Supplied As | Target Analytes | ALL | FEB 088 | MAY 089 | AUG 090 | NOV 091 |
| PT-PH-13 * | 5g | Ginseng supplement | Ginsenoside-Rb1; Ginsenoside-Rb2; Total ginsenosides | <input type="checkbox"/> | | | | <input type="checkbox"/> |
| PT-PH-14 * | 10g | Supplement | Arsenic; Cadmium; Lead; Mercury | <input type="checkbox"/> | | | <input type="checkbox"/> | |
| PT-PH-15 * | 2 x 5g sample | Powdered supplement | Sildenafil | <input type="checkbox"/> | | | | <input type="checkbox"/> |
| PT-PH-16 * | 10ml of oil or 5g of powdered material | Oil or Powdered material | Cannabidiol | <input type="checkbox"/> | | | <input type="checkbox"/> | |
| PT-PH-18 * | 5g | Ginkgo biloba | Quercetin; Kaempferol; Total Aglycones; Total Terpene Lactones; Ginkgolide B | <input type="checkbox"/> | | | <input type="checkbox"/> | |
| PT-PH-19 * | 1g | Plant material or plant extract | Phytochemical identity confirmation | <input type="checkbox"/> | | <input type="checkbox"/> | | |
| PT-PH-20 * | 30g | Multivitamin supplement | Vitamin B1; Vitamin B2; Vitamin B3; Vitamin B5; Vitamin B6; Folic acid; Biotin; Vitamin B12; Vitamin C | <input type="checkbox"/> | | <input type="checkbox"/> | | |
| PT-PH-21 * | 15g | Multielement supplement | Calcium; Zinc; Magnesium; Copper; Manganese; Potassium; Iron; Total Chromium; Selenium; Compliance with labelling | <input type="checkbox"/> | | | <input type="checkbox"/> | |

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MICROBIOLOGY

| Samples Available | | | | Round and Month (PH) | | | | |
|-------------------|---|--|---|--------------------------|---------|---------|---------|---------|
| Sample | Quantity | Supplied As | Target Analytes | ALL | FEB 088 | MAY 089 | AUG 090 | NOV 091 |
| PT-PH-03 | 10ml (final test quantity 100ml) | Vial representing pharmaceutical product | Low-level enumeration; Identification of microorganism (Intended for membrane filtration) | <input type="checkbox"/> | | | | |
| PT-PH-04A | 10ml (final test quantity 100ml) | Vial representing pharmaceutical product | Total aerobic microbial count; Total bacterial count; Detection and/or Enumeration of <i>Staphylococcus aureus</i> ; <i>Escherichia coli</i> ; Bile tolerant gram-negative bacteria | <input type="checkbox"/> | | | | |
| PT-PH-04B | 10ml (final test quantity 100ml) | Vial representing pharmaceutical product | Detection of <i>Pseudomonas aeruginosa</i> ; <i>Burkholderia cepacia</i> ; <i>Candida albicans</i> ; Enumeration of Yeast; Mould; Total yeast and mould; <i>Candida albicans</i> | <input type="checkbox"/> | | | | |
| PT-PH-05 | 5 x 5ml (final test quantity 5 x 100ml) | Vial representing pharmaceutical product | Sterility; Identification of microorganism | <input type="checkbox"/> | | | | |
| PT-PH-09 | 10ml (final test quantity 100ml) | Vial representing pharmaceutical product | Detection of <i>Salmonella</i> species | <input type="checkbox"/> | | | | |
| PT-PH-10 | 10ml vial + 10g medicinal herb matrix (final test quantity 10g) | Vial + medicinal herb matrix | Total aerobic microbial count; Detection and/or Enumeration of <i>Staphylococcus aureus</i> ; Coliforms; Yeast; Mould; Yeast and Mould | <input type="checkbox"/> | | | | |

†Please note that a volume discount may apply to this price, depending on the number of Pharmaceutical (PHARMASSURE) PT Scheme samples purchased. For further details, please see the Volume Quantity Discount section.

EUP, USP and CHP methods are indicated for information only. Other methods can be used by the participants.

| Sample | EUP | USP | CHP |
|------------|--------|-----|------|
| PT-PH-01 | 2.2.3 | 541 | 0601 |
| | 2.2.6 | 741 | 0612 |
| | 2.2.14 | 791 | 0622 |
| | 2.2.20 | 831 | 0631 |
| | 2.2.60 | | 0701 |
| PT-PH-02A | 2.2.29 | 621 | 0512 |
| PT-PH-02B | - | - | 0411 |
| | | | 0406 |
| | | | 0412 |
| PT-PH-02E* | 2.2.28 | 467 | 0861 |
| | 2.4.24 | | |
| PT-PH-03 | 2.6.12 | - | 1105 |
| PT-PH-04A | 2.6.12 | - | 1105 |
| | 2.6.13 | | 1106 |

| Sample | EUP | USP | CHP |
|-----------|--------|-----|------|
| PT-PH-04B | 2.6.13 | - | 1105 |
| | | | 1106 |
| PT-PH-05 | 2.6.1 | - | 1101 |
| PT-PH-06A | 2.2.28 | 621 | 0521 |
| PT-PH-06B | 2.2.25 | - | 0401 |
| PT-PH-06C | 2.2.9 | 911 | 0633 |
| | 2.2.10 | 912 | |
| PT-PH-06D | 2.2.32 | 731 | 0831 |
| PT-PH-06E | 2.2.24 | 197 | 0402 |
| PT-PH-06F | 2.5.12 | 921 | 0832 |
| PT-PH-06G | 2.2.27 | 621 | 0502 |
| PT-PH-06H | 2.2.22 | 232 | 0407 |
| | 2.2.23 | 233 | |
| | 2.2.57 | | |

| Sample | EUP | USP | CHP |
|-----------|---------|------|------|
| PT-PH-06I | 2.2.7 | 781 | 0621 |
| PT-PH-06J | - | - | 0701 |
| | | | 0702 |
| PT-PH-06K | 2.2.33 | 761 | 0441 |
| PT-PH-06M | 2.4.14 | 281 | 0841 |
| PT-PH-07A | 2.9.3 | 711 | 0931 |
| PT-PH-07B | 2.9.1 | 701 | 0101 |
| | 2.9.5 | 1216 | 0921 |
| | 2.9.7 | 1217 | 0923 |
| | 2.9.8 | | |
| PT-PH-07C | 2.9.40 | 905 | 0941 |
| PT-PH-08A | 2.2.338 | 644 | 0681 |
| PT-PH-08B | 2.9.19 | 788 | 0903 |
| | 2.2.20 | | |

| Sample | EUP | USP | CHP |
|----------|--------|-----|------|
| PT-PH-09 | 2.6.13 | - | 1106 |
| PT-PH-10 | - | - | 1105 |
| | | | 1106 |
| | | | 1108 |
| PT-PH-11 | 2.6.14 | 85 | 1143 |
| PT-PH-13 | - | - | 0512 |
| PT-PH-14 | - | - | 2321 |
| PT-PH-17 | - | - | 2321 |
| PT-PH-18 | - | - | 0512 |

For details on the full technical specification of the scheme, please refer to the PHARMASSURE Scheme Description.

YOUR DETAILS

Returning customers, if you would like to keep your contact/address details as per previous year, please tick here:

☐

If changes are required or you are a new customer, please complete your details below:

| Send Test Materials to: | Send Invoices to: |
|-------------------------------------|-------------------------------------|
| Contact name: <input type="text"/> | Contact name: <input type="text"/> |
| Department: <input type="text"/> | Department: <input type="text"/> |
| Company: <input type="text"/> | Company: <input type="text"/> |
| Address: <input type="text"/> | Address: <input type="text"/> |
| <input type="text"/> | <input type="text"/> |
| Town/City: <input type="text"/> | Town/City: <input type="text"/> |
| County: <input type="text"/> | County: <input type="text"/> |
| Post/Zip Code: <input type="text"/> | Post/Zip Code: <input type="text"/> |
| Country: <input type="text"/> | Country: <input type="text"/> |
| Tel: <input type="text"/> | Tel: <input type="text"/> |
| E-mail: <input type="text"/> | E-mail: <input type="text"/> |
| <input type="text"/> | VAT no: <input type="text"/> |

Existing customers

If you would like to change your marketing preferences, please visit our [preference centre](#) or contact axiopt@lgcgroup.com

New customers

LGC would like to contact you by email, phone or post about its products, services and related areas or research. LGC does not sell contact details to external parties. You may unsubscribe at any time.

- ☐ Yes, I am happy to be contacted about LGC's products, services and research
- ☐ No, I do not require marketing information about LGC's products and services at this time

By submitting this application form, you are agreeing to comply by LGC's Standard Terms and Conditions for the Supply of Laboratory Quality Products and Services and are agreeing that you have read and agree to the 'General Notes' at the end of this document.

Name

Date

VOLUME QUANTITY DISCOUNT

Please note that any additional/duplicate samples ordered will not contribute to the calculation of volume discount, but will be charged at a lower rate (see Repeat/Additional samples section).

| Sample Reference | % Discount for taking all available rounds |
|------------------|--|
| 05 | 10.0% |

REPEAT/ADDITIONAL SAMPLES PRICES

Repeat and duplicate samples will be charged at 50% of the main sample cost. Please contact LGC for a quotation.

CARRIAGE CHARGES

Participants will pay an additional fee to cover courier charges. Please contact LGC AXIO Proficiency Testing for up-to-date charges.

CHANGES AND OTHER SCHEMES/SAMPLES OF INTEREST

CHANGES

We have introduced a new sample as follows:

- Sample PT-PH-06M (Residue on Ignition). This will be available in round PH090 (August 2024).

Due to low participation numbers, we have removed the below sample:

- PT-PH-17 (Elemental contamination in Pollen supplement)

We have increased the frequency of samples PT-PH-06F (Karl Fischer) and PT-PH-07A (Dissolution testing) from one round to two rounds per year.

OTHER SCHEMES/SAMPLES OF INTEREST

We have a number of other Consumer Safety schemes available which may be of interest to you. Further details can be found on our [Consumer Safety schemes webpage](#).

GENERAL NOTES

Please note:

- All prices stated are exclusive of VAT and carriage charges.
- VAT (charged at the prevailing rate) is payable by all participants based in the UK.
- Participants will pay an additional fee to cover courier charges. Please contact LGC AXIO Proficiency Testing for up-to-date charges (where not specified previously in the application form).
- All courier charges set by LGC AXIO Proficiency Testing do not include local import charges, taxes (etc.), which will be covered by the participant.
- Do not send remittance with this form, you will be invoiced subsequently after the despatch of each round.
- No refunds will be given for failure to take part in any round of the PT scheme.
- LGC AXIO Proficiency Testing reserves the right to not send samples or the report for previous samples to any participant that has not paid their subscriptions within the terms stated on the invoice.
- LGC AXIO Proficiency Testing cannot guarantee the number of participants that will return results for any particular parameter in each round.
- The prices stated are for reporting results and receiving reports electronically via PORTAL (internet reporting).

- Surplus PT samples (Quality Control Material) are available; please contact LGC AXIO Proficiency Testing for further information.
- By submitting this application form, you are agreeing to comply by LGC's Standard Terms and Conditions for the Supply of Laboratory Quality Products and Services. Furthermore, for test samples containing microorganisms with a bio safety level (BSL) of 1 or 2, you are confirming that you are complying with applicable laws and regulations when using such materials.

LGC AXIO PT – INTERNAL USE ONLY

| | |
|------------|--|
| Name | |
| Customer | |
| Site | |
| Currency | |
| Address ID | |
| PO no | |
| Carriage | |

| | |
|-------------|--|
| Renew ALY | |
| Year for PY | |
| Dt | |
| Doc Text | |
| Quotation | |
| Other | |
| Additional | |