



هيئة التقييس الخليجية
GCC Standardization Organization

2024 Catalogue for Proficiency Testing (PT) Programs



Brief:

The GSO PT Programs are a valuable tool for laboratories in GSO Member States to assess their performance, maintain accreditation, and compare their results with trusted references. The programs are organized in cooperation with international accredited by ISO/IEC 17043 PT providers, ensuring that they meet the highest standards of quality.

The benefits of participating in the GSO PT Programs are numerous. By participating, laboratories can:

- Improve the performance of the lab and identify measurement problems.
- Compare methods and procedures.
- Teach the staff and demonstrate the validity of the results.
- Satisfy regulators and Accreditation Bodies.

Scope of GSO Proficiency Testing (PT) Programs:

The GSO 2024 PT Programs are free to register for and free to ship samples to laboratories in GSO Member States:

- United Arab Emirate
- Kingdom of Bahrain
- Kingdom of Saudi Arabia.
- Sultanate of Oman.
- Qatar State.
- Kuwait State.
- Republic of Yemen

Overall, about GSO PT Programs:

The GSO PT Programs are a valuable resource for laboratories in GSO Member States. They offer a number of benefits, including the opportunity to improve performance, identify measurement problems, compare methods and procedures, teach staff, and demonstrate the validity of results. The programs are easy to participate in and are organized in cooperation with reputable organizations. It is highly recommended PT programs to any laboratory in a GSO Member State.

How the Program Works:


1. **Register your lab** for the chosen PT program by providing some general information about your organization.
2. **Once the total number of participant laboratories is confirmed**, a schedule will be established and communicated to those laboratories along with a detailed protocol of the program.
3. **The testing material will be shipped** to the participants as per the pre-established schedule. GSO has the responsibility to guarantee the stability and the homogeneity of samples throughout the whole distribution process.
4. Each participant (laboratory) will **perform the testing according to the procedure** given in the protocol and provide GSO with the obtained results.
5. After collecting the data, GSO in cooperation with the PT provider, will carry out the statistical analysis and **share with all participants (coded for confidentiality) the performance results generated by the program.**



2024

Programs List

1	<h2 style="margin: 0;">Heavy Metals in Paint (Pb, Cd)</h2> <p style="margin: 0;">Program Code: GSO-KTR PT/01/2024</p>
Program Details	
Program Cycle	The program will run from July 2024 to December 2024.
Registration/ Shipping Fees	<p>Free of charges for labs in GSO Member States:</p> <ul style="list-style-type: none"> • United Arab Emirate. • Kingdom of Bahrain. • Kingdom of Saudi Arabia. • Sultanate of Oman. • Qatar State. • Kuwait State. • Republic of Yemen.
Testing Features	Pb in (mg/kg) and Cd in (mg/kg)
Testing Material (PT Item)	Item: Paint (powder) 20 g
Testing Method (Testing for)	<ul style="list-style-type: none"> • ASTM D 3335 Standard Test Method for Low Concentrations of Lead, Cadmium, and Cobalt in Paint by Atomic Absorption Spectroscopy. OR • KS M 5985:2008 Method for determining low concentrations of Lead, Cadmium and Cobalt in paints – Atomic absorption spectroscopy. <p><i>*NOTE Any testing method can be used (we suggest using your usual testing method): ‘Encouraged testing method’ is only given as a suggestion.</i></p>

Testing Parameters	<ul style="list-style-type: none">Determination of heavy metals in Paints
Registration	<p>Click here or scan the QR code below:</p> 
Registration Deadline	30/07/2024
Program Accreditation	This program is co-organized by GSO and the Korea Testing and Research Institute (KTR) for Proficiency Testing, which is accredited to ISO/IEC 17043.

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MFR (Melf Flow Rate) of Plastics (LDPE)

Program Code: GSO-KTR PT/02/2024

Program Details

Program Cycle

The program will run from July 2024 to December 2024.

Registration/ Shipping Fees

Free of charges for labs in GSO Member States:

- United Arab Emirate.
- Kingdom of Bahrain.
- Kingdom of Saudi Arabia.
- Sultanate of Oman.
- Qatar State.
- Kuwait State.
- Republic of Yemen.

Testing Features

MFR of LDPE in (g/10 min)

Testing Material (PT Item)


Item: Plastic pellet (LDPE, Low Density Polyethylene) 100 g

Testing Method (Testing for)

- **ISO 1133-1: 2022**

Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics, Part 1: Standard method.

**NOTE Any testing method can be used (we suggest using your usual testing method): 'Encouraged testing method' is only given as a suggestion.*

Testing Parameters	<ul style="list-style-type: none">• Melt Flow Rate of LDPE
Registration	<p>Click here or scan the QR code below:</p> 
Registration Deadline	30/07/2024
Program Accreditation	This program is co-organized by GSO and the Korea Testing and Research Institute (KTR) for Proficiency Testing, which is accredited to ISO/IEC 17043.





GSO Website

If you are interested in learning more about the GSO PT Programs, please visit the GSO website: <https://www.gso.org.sa> or contact GSO directly.

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