

**INTER-LABORATORY COMPARISONS  
YEAR 2026****"Workplace exposures to  
chemical agents"****Inorganic acids, aldehydes, ammonia, BTEX,  
mercury, metals, and methanol**

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## 1. CONTEXT

Ineris organizes an Inter-Laboratory Comparison relating to the analysis of some parameters in workplace atmosphere. This Inter-Laboratory Comparison allows accredited laboratories to meet the requirement to monitor their proficiency.

Participation in Inter-Laboratory Comparisons is indeed an essential tool for analytical methods implementation monitoring. It is the subject of accreditation requirement and it leads to checks of the proper fulfillment in audit.

This document gathers all the necessary information for an Inter-Laboratory Comparison (ILC) registration.

It contains :

- the terms of participation;
- the description of the Inter-Laboratory Comparison.

## 2. OBJECTIVE

An Inter-Laboratory Comparison participation enables laboratory:

- to compare its results with those of other laboratories carrying out same type of analysis;
- to assess skills of the operators in a given technique;
- to evaluate a quantification method in a given matrix;
- to meet the requirements of quality references;
- to improve its measurement quality;
- to demonstrate its measurement proficiency in a given environment in order to meet the regulatory requirements to obtain, for an example, an approval or an accreditation.

The achievement of these objectives is evaluated with a performance score (z-score or z'-score) enabling participants to estimate the closeness of their results from an assigned value known as reference value, calculated by proven statistical algorithms.

### 3. DESCRIPTION OF THE PROGRAM

The purpose of the program is to implement and to carry out **two** Inter-Laboratory Comparisons campaigns, scheduled for **March** and for **September**, dealing with the analysis of the following parameters:

- Inorganic acids (HF, HBr, HCl, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, H<sub>3</sub>PO<sub>4</sub>),
- Aldehydes (formaldehyde, acetaldehyde),
- BTEX (benzene, toluene, ethylbenzene, xylenes),
- Metals (Cd, Cr, Cu, Ni, Pb).

For the following parameters, **only one** campaign is scheduled:

- Ammonia (NH<sub>3</sub>) in September 2026,
- Mercury (Hg) in September 2026,
- Methanol (MeOH) in September 2026.

*A test may be deferred or canceled if the number of participants for a program is less than 10.*

#### 3.1. INORGANIC ACIDS

The samples shall consist of quartz fiber membranes impregnated with sodium carbonate and spiked with fluoride, chloride, bromide, nitrate, phosphate and sulphate. The spiking shall be carried out by depositing a solution with known levels.

Only the soluble fraction of fluoride will be studied.

Only one concentration will be studied.

Two blank filters will be provided.

#### 3.2. ALDEHYDES

The samples shall consist of silica gel tubes impregnated with 2,4-DNPH (S10 Supelco type) and then spiked with formaldehyde and acetaldehyde. The spiking shall be carried out by adding solutions with known levels.

These tubes shall be analyzed within 8 days of the date of preparation of these test materials.

Only one concentration will be studied.

A blank tube will be provided.

#### 3.3. AMMONIA

The samples shall consist of quartz fiber membranes impregnated with sulfuric acid and spiked with ammonium. The spiking shall be carried out by depositing a solution with known levels.

Only the soluble fraction will be studied.

Only one concentration will be studied.

One blank filter will be provided.

**3.4. BTEX**

The samples shall consist of dual-zone activated carbon tubes spiked with benzene, toluene, ethylbenzene and xylenes. The spiking shall be carried out by adding a solution with known contents. These tubes shall be analyzed within 14 days of the date of preparation of these test materials.

Only one concentration will be studied.

A blank tube will be provided.

**3.5. MERCURY**

The samples shall consist of mercury-spiked hopcalite tubes. The spiking shall be carried out by adding a solution with a known content.

They shall be analyzed until 10 days from the date of preparation of these media.

Only one concentration will be studied.

A blank tube will be provided.

**3.6. METALS**

The samples shall consist of quartz fiber membranes spiked with cadmium, chromium, copper, nickel and lead. The spiking shall be carried out by depositing a solution with known levels.

Only one concentration will be studied.

Two blank filters will be provided.

**3.7. METHANOL**

The samples shall consist of silica gel tubes impregnated and then spiked with methanol. The spiking shall be carried out by adding solutions with known levels.

They shall be analyzed until 8 days from the date of preparation of these media.

Only one concentration will be studied.

A blank tube will be provided.

**4. LABORATORIES CONCERNED**

This Inter-Laboratory Comparison is specially designed for all laboratories undertaking analysis of samples derived from workplace air monitoring. Laboratories carrying out analyses in the field of indoor air on supports obtained by passive sampling may also participate.

## 5. GENERAL TECHNICAL REQUIREMENTS

### 5.1. REGISTRATION PROCEDURE

Period for registration is set from:

**19 December 2025 to 20 February 2026**

on the following website:

<https://comparaisons-interlaboratoires.ineris.fr>

For the **first connection**, i.e without an already existing account, the laboratory shall create its account for accessing website utilities. For that, the laboratory shall have the information below:

- enterprise identification (SIRET, DUNS,...),
- VAT Intra-community number (Europe only).

After validation of Ineris, the laboratory will be able to register to the proposed interlaboratory comparisons.

Online help is available on the website.

If the laboratory **account already exists**, the laboratory will access directly to the registration step below.

During the **registration phase**, the laboratory shall have the information below:

- enterprise identification (SIRET, DUNS,...),
- an **order** addressed to Ineris.

**Please note:** The BIPEA quote and the form available on the website are not accepted as valid orders. Without a valid order, report will not be provided to the participant.

A confirmation will be sent to the participant 15 days after the end of registration period, including his lab identification.

## 5.2. PRICE

FEE SCHEDULE			
	Amount in € before tax	20% VAT	Total amount in €, tax included
26-234980_Acides**	788.00 €	157.60 €	945.60 €
26-234980_Aldéhydes**	1 040.00 €	208.00 €	1 248.00 €
26-234980_NH <sub>3</sub> *	362.00 €	72.40 €	434.40 €
26-234980_BTEX**	889.00 €	177.80 €	1 066.80 €
26-234980_Hg*	362.00 €	72.40 €	434.40 €
26-234980_Métaux**	744.00 €	148.80 €	892.80 €
26-234980_Méthanol*	538.00 €	107.60 €	645.60 €

\* : 1 campaign ; \*\* : 2 campaigns  
Prices are indivisible

Invoice is established when sending samples from the second campaign.

Payment by credit card is not accepted.

The general terms and conditions of sale are available in annex 4.

## 5.3. INERIS COMMITMENTS

Ineris commits to abide by technical requirements from the EN ISO/CEI 17043 standard during the organization of these ILC.

Ineris is committed to ensuring the confidentiality of information when submitting results online and anonymity in reporting results by assigning a confidential code to each participant.

Ineris is committed to protecting the confidentiality of participants' identities by granting access to the confidential code to only a limited number of people within the coordination group.

Ineris is committed to notifying all participants of any amendment to the ILC schedule and rules as soon as possible.

Confidential information, as defined in the general terms and conditions of sale, and where applicable, by the confidentiality agreement, may be communicated to the auditors commissioned by the certifying and accrediting bodies or in the context of an outsourced internal audit, which is themselves subject to a confidentiality agreement. The customer's order constitutes agreement to carry out these communications.

Ineris commits to take into consideration any claim in accordance with the provisions of the Quality Manual (\$5.3: 'Stakeholders and listening to customers / Claims) available on the Ineris website at the following address: [www.Ineris.fr](http://www.Ineris.fr).

#### **5.4. PARTICIPANTS' COMMITMENTS**

At the time of their registration, participants undertake to:

- complete and return the acknowledgment of receipt,
- respect for each parameter the method specified in Appendix 1 and in the Instruction Form,
- restitute the results with full integrity, without falsification or collusion,
  - In case of NO-COMPLIANCE, Ineris reserves the right not to take into account the data of the participant concerned and initiate appropriate actions.
- restitute the results as scheduled, except in case of equipment failure reported before the results restitution deadline
- provide the associated metadata, as requested.

#### **5.5. COMMUNICATION**

All exchanges between Ineris and participants are mainly electronic. Ineris cannot be held liable for No-receipt of an email. The confidential code should be quoted in all correspondence with the coordinator.

The test related documents can be downloaded from the site dedicated to Ineris ILC  
<https://comparaisons-interlaboratoires.ineris.fr>

#### **6. ANNEXES**

Annex No.	Title
1	Description of the program
2	General organization of an Inter-Laboratory Comparison
3	Statistical processing and return of the test
4	General terms of sales

## Annex no. 1: Description of the program

Test	26-234980_Acids		26-234980_Aldehydes			
Substances to be analyzed	HF, HBr, HCl, HNO <sub>3</sub> , H <sub>3</sub> PO <sub>4</sub> , H <sub>2</sub> SO <sub>4</sub>		Acetaldehyde, formaldehyde			
Date of receipt	Campaign 1	Campaign 2	Campaign 1	Campaign 2		
	Week 11	Week 38	Week 11	Week 38		
Analytical methods	Metropol M-144, M-53 or equivalent (NIOSH 7907, 7908 for example)		Metropol M-4, M-66 or equivalent (NIOSH 2016 for example)			
Matrices tested / Sampling medium	Na <sub>2</sub> CO <sub>3</sub> Impregnated quartz filter		Tube of 2,4-DNPH impregnated silica gel type SUPELCO S10			
Level of concentration	5 à 3000 µg		1 à 1000 µg			
Number of media	2 + 2 blanks		2 + 1 blank			
Number of measurements per medium	1		1			
Stability	Stable compounds		8 days			
Refrigeration	No		Yes			
Statistical processing implemented	Assigned value: Robust average of all the results of the participants by application of algorithm A of standard ISO 13528					
	Performance: z-score except for a population < 8 after exclusion of missing or aberrant results => indicative value					
Monitoring of the homogeneity of test materials	Yes: Ineris					
Monitoring of the stability of test materials	No					

Test	26-234980_BTEX		26-234980_Hg
Substances to be analyzed	Benzene, toluene, ethylbenzene, xylenes (m, p and o)		Hg
Date of receipt	Campaign 1	Campaign 2	Campaign 2
	Week 11	Week 38	Week 38
Analytical methods	Metropol M-188 or equivalent		Metropol M-114 or equivalent
Matrices tested / Sampling medium	Activated charcoal tube		Hopcalite tube
Level of concentration	10 à 10000 µg		0,1 à 20 µg
Number of media	2 + 1 blank		2 + 1 blank
Number of measurements per medium	1		1
Stability	14 days		10 days
Refrigeration	No		No
Statistical processing implemented	Assigned value: Robust average of all the results of the participants by application of algorithm A of standard ISO 13528		
	Performance: z-score except for a population < 8 after exclusion of missing or aberrant results => indicative value		
Monitoring of the homogeneity of test materials	Yes: Ineris		
Monitoring of the stability of test materials	No		

Test	26-234980_metals	26-234980_methanol
Substances to be analyzed	Cd, Cr, Cu, Ni, Pb	MeOH
Date of receipt	Campaign 1	Campaign 2
	Week 11	Week 38
Analytical methods	Metropol M-120, M-121, M-122 or equivalent (NIOSH 7304 for example)	Metropol M-26 or equivalent (NIOSH 2000 for example)
Matrices tested / Sampling medium	Quartz filter	Silica
Level of concentration	1 à 5000 µg	100 à 8000 µg
Number of media	2 + 2 blanks	2 + 1 blank
Number of measurements per medium	1	1
Stability	4 weeks minimum	8 days
Refrigeration	No	Yes
Statistical processing implemented	Assigned value: Robust average of all the results of the participants by application of algorithm A of standard ISO 13528	
	Performance: z-score except for a population < 8 after exclusion of missing or aberrant results => indicative value	
Monitoring of the homogeneity of test materials	Yes: Ineris	
Monitoring of the stability of test materials	No	

Test	26-234980-NH <sub>3</sub>
Substances to be analyzed	NH <sub>3</sub>
Date of receipt	Campaign 2
	Week 38
Analytical methods	Metropol M-13 or similar
Matrices tested / Sampling medium	H <sub>2</sub> SO <sub>4</sub> impregnated quartz filter
Level of concentration	200 to 10000 µg
Number of media	2 + 1 blank
Number of measurements per medium	1
Stability	2 months
Refrigeration	No
Statistical processing implemented	Assigned value: Robust average of all the results of the participants by application of algorithm A of standard ISO 13528
	Performance: z-score except for a population < 8 after exclusion of missing or aberrant results => indicative value
Monitoring of the homogeneity of test materials	Yes: Ineris
Monitoring of the stability of test materials	No

**Annex No. 2: General organization of an interlaboratory comparison**

The typical ILC schedule is specified below.

- ILC feasibility study (in order to define and assess outline of the optimal test conditions);
- Sampling and sample packaging (sample fortification, if required);
- Sending ( $d = 0$ ) of the test materials to the participants.
- Receipt of the test materials by the participants ( $d = +1$ );
- Analysis of the test materials by the participants ( $d+1$  to  $d+8$ ,  $d+10$ ,  $d+14$  depending on the parameters), and checking by Ineris of the test material homogeneity and stability all along the ILC, if necessary;
- Result submissions by the participants at <https://comparaisons-interlaboratoires.ineris.fr>;
- Data processing and statistical analysis performed by Ineris;
- Sending of the final report including a satisfaction survey form.

The general organization of the ILC is as follows:

**1. Feasibility study of the test**

Each test material undergoes a feasibility study over several weeks. The homogeneity and the stability have been already evaluated previously on similar test materials (matrices, concentration levels). Test materials will be prepared using similar procedures so that the feasibility study won't be performed again this year.

**2. Test announcement**

Ineris informs the laboratories of the organization of a test by transmitting the Annual Program and publishing information on the website.

**3. Participants registration**

Ineris receives the registration requests and confirms the registration of each participant by mail by communicating its laboratory identification.

The instruction form is forwarded to participants prior to, or with, the test materials in order to provide instructions (compounds to quantify, storage, handling, etc....) and deadlines. The form is also available at <https://comparaisons-interlaboratoires.ineris.fr>

**4. Test material preparation**

The materials are prepared and packaged by Ineris in compliance with official guidelines. Such guidelines deal especially with the nature of the matrices, the concentration levels and the test material preparation in order to assure their quality in terms of stability and homogeneity.

Sending of the test materials is performed by Ineris.

**5. Sending of test materials**

The test materials are sent by express delivery post. The delivery quality is monitored by Ineris.

The following document is included in the package:

- Receipt acknowledgements. Upon receipt of the package, participants are required to send it back to Ineris fully completed;

Test materials are preferentially shipped at the beginning of the week in order to allow the participants to start the analytical process before the end of the week.

All the forms are available at <https://comparaisons-interlaboratoires.ineris.fr>

## **6. Receipt and analysis of test materials by the participant**

Upon opening of the package, participants shall:

- Perform a temperature control check and write the results on the receipt form ;
- Inspect the package as well as its contents and write any relevant information on the receipt form;
- Put the test materials in appropriate storage conditions immediately;
- Inform Ineris of the receipt and conditions of package by returning the receipt form by email.

Participants shall start the analysis of the test materials as soon as possible. The envelope containing temperature recorder shall be returned to Ineris. The participant will initiate the analytical process, using the methods specified.

## **7. Checking of the test materials**

Controls on test materials sent will be performed during the analysis phase by the participants. Ineris will ensure that the test materials are stable and homogeneous by performing repeatability tests on several samples during the analysis phase i.e minimum of 10 analyzes of substances representative of each family.

Some materials may be exempted from this control if previous data have shown that the preparation procedures allow for sufficient homogeneity and stability.

## **8. Data Submission**

The usual time period for the participants to achieve the analyses and submit their results is of 4 weeks.

The results will be sent by the participant using the <https://comparaisons-interlaboratoires.ineris.fr> site with its personal account.

For specific tests, additional forms may be provided for the participants. Results can only be validated once the requested forms are fully filled.

Technical support is available online to help the participants to use the website for result submissions. Incomplete results may be accepted if a participant, for specific reasons, is not able to analyze one or several compounds.

Results not considered for the statistical analysis are the following:

- restituted values as "<LoQ" ;\*
- values entered as zero "0";
- values for which a systematic error (errors of dilution or unit of measurement) is identified (for instance by a factor of 1000).

\* The methodology will be as follows:

**Restitution of 2 values**

	<b>Data received</b>	<b>Data taken into account</b>
<b>1<sup>st</sup> case</b>	C, C	C, C
<b>2<sup>nd</sup> case</b>	C, <LoQ	none
<b>3<sup>rd</sup> case</b>	<LQ, <LoQ	none

**Annex No. 3: Statistical processing and reporting of results****1. Statistical processing**

Statistical processing of the results shall be carried out by Ineris in accordance with the requirements of:

- Standards 1, 2 and 5 of the NF ISO 5725 series: "Accuracy (trueness and precision) of the results and methods of measurement,"
- Standard NF ISO 13528: "Statistical methods for use in proficiency testing by Inter-Laboratory Comparisons,"
- Standard NF X 06-050 "Application of statistics - Study of the normality of a distribution."

The assigned value shall be based on the consensus of the results of the general population participating in the test. It shall be calculated using robust statistical methods.

The benefit of robust analysis is that the calculations of the assigned value (benchmark), confidence intervals, and performance statistics are not affected by the judgment of the data analyst. The results are studied and treated with objectivity.

The standard deviation for the evaluation of the chosen proficiency  $\sigma_{pt}$  is equal to the robust standard deviation  $s^*$ . It is determined from the results of the participants by applying Algorithm A of standard NF ISO 13528. However, if regulatory or normative requirements exist regarding uncertainty,  $\sigma_{pt}$  may be set.

The performance evaluation shall be carried out using the z-score. Thus, each participant can position itself in relation to the assigned value.

The search for suspicious values or outliers in the participants' values (even if data processing by application of robust statistics does not require a preliminary identification of the suspicious values by statistical tests) shall be carried out using the Cochran, Grubbs and coherence tests so that the participants and the organizer, in a process of improvement, can take advantage of research into the causes that led to the attainment of these values.

**2. Reporting**

The reporting of the test will be conducted in two steps:

- Sending a preliminary test report, one month after the closing date of entry of the results online. This report will gather the raw results of all participants, the mean, the standard deviation of repeatability, the variation of repeatability coefficient and the performance of each participant for each parameter and each test material. At this stage, **no detailed analysis of the data is performed**. This preliminary report will allow participants to have a first return of the test results.
- On completion of full statistical processing, and within 3 months after the intermediate report sending, the final report and satisfaction survey will be sent to participants. It will describe the conducting of the test and the results of statistical processing of data submitted by participants. This report will contain:
  - raw data,
  - values discarded from the data set;
  - mean and standard deviations after statistical processing;
  - distribution curve for the mean of all participants;
  - a histogram plotting laboratory performance on the same graph if relevant;

- Mandel k (intra-laboratory variability) coherence statistics,
- general and individual opinions and interpretations.

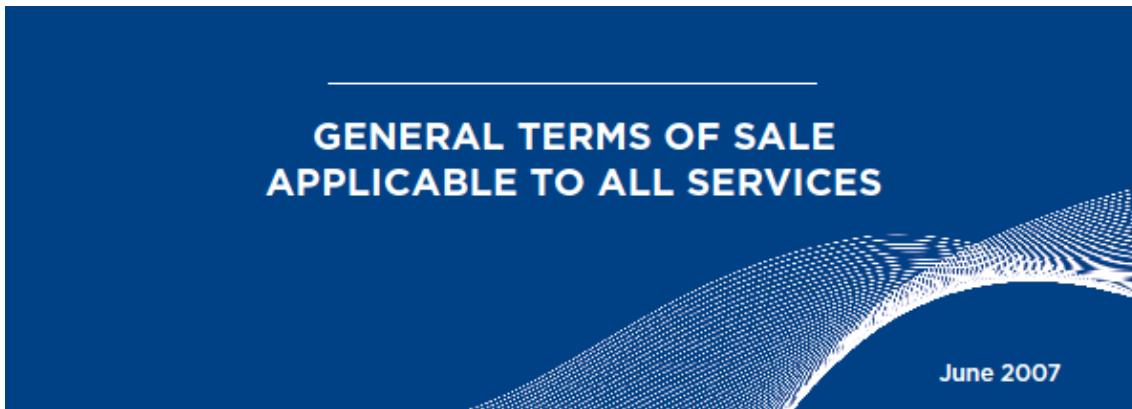
The distribution of the final test report will be **restricted**. It will be sent in electronic format only to the participants.

A satisfaction survey will be sent along with the final test report.

**Note:**

Any decision on formal recognition (accreditation) or legal recognition (approval) of the results is the responsibility of the body issuing the recognition (COFRAC or similar or the Ministry of the Ecology).

## Annex No. 4: General terms of sale

**I - DEFINITIONS**

Order acknowledgement: a written document by which Ineris accepts the customer's order or modifies the terms of the order.

Customer: a corporate entity or person on behalf of whom Ineris agrees to perform a service in exchange for payment.

Contract: the generic term designating any commercial agreement, order, contract or deal, set out on paper and explicitly accepted by Ineris. Ineris refers directly or indirectly to these General Terms of Sale in any contract and by such a contract Ineris commits to providing a service and the customer commits to paying for it as well as covering the cost of any other commitments that they may have.

Proposal: a paper document in which Ineris proposes to perform work (services, provision of supplies, work, etc) and in which a price is set out, whether it is determined or to be determined. All proposals made by Ineris make reference to these General Terms of Sale.

**II. GENERAL**

Except when formally accepted by Ineris in the specific terms and conditions attached to the proposal, no other conditions may take precedence over those set out in these general and specific terms and conditions.

Ineris only makes a commitment by way of submitting a binding proposal set out on its letterhead. The terms and conditions of the proposal apply only during the stated option period.

On condition that the measures required of the customer as described in the proposal are fulfilled (handover of documents, materials or samples / payment of the deposit / access authorizations...), the contract shall only become applicable and binding after Ineris has acknowledged receipt of the customer's order. In the absence of any receipt acknowledgement within twenty one (21) calendar days following order receipt, the contract becomes binding from the time when the order is received. Any change to the services set out, and that is made after the definitive conclusion of the contract requires a written addendum.

Failure to demand, at any time, any application of one or more proposal stipulations in no way represents a relinquishment by Ineris of its rights and in no way impacts the validity of the measures in question.

Any contract accepted by Ineris cannot simply be cancelled, whether in whole or in part, by the customer. No cancellation can be accepted free of charge. The compensation demanded shall not be less than the costs incurred up to the time of cancellation.

The list of parties involved and listed in the contract is mentioned for information purposes only. Ineris can therefore change the parties that it involves, on condition that they have the necessary expertise in order to fulfill the contract.

Research Tax Credit (under French law): it is up to the customer to ensure that the services performed are eligible for this tax credit before including them in the amounts eligible for their Research Tax Credit.

**III - LEAD-TIMES AND DATES  
(HEREAFTER REFERRED TO AS  
LEAD-TIMES)**

The lead-times set out in the proposal or in the receipt acknowledgement are provided for information purposes only. Delays cannot in any case justify cancelling the order or open up a right to compensation for any loss suffered, whether direct or indirect.

Late delivery penalties may only be demanded if there is an express and written agreement between the parties. They may only be applied if Ineris alone is responsible for the delay and if it causes a true loss duly observed by both parties.

Lead-time aspects are suspended should the customer fail to meet their own obligations.

Ineris is by right cleared of any threat of sanction or penalty should cases of force majeure occur as defined by legal precedent (i.e. events that the parties could not reasonably forecast and control at the time when the contract was entered into, due to their external, unforeseen and irresistible aspect) or due to events outside of Ineris' control and which have been brought to the customer's knowledge as soon as they occur, such as: lock-

outs, strike action, transport bans or delays, legally binding changes to working hours or any other cause that leads to full or partial work stoppages affecting Ineris or its suppliers.

**IV - PRICE AND TAXES**

All services are billed at the price agreed in the definitive contract. This price may however be corrected as a result of the application of legal stipulations that apply to the scope of the contract.

Prices are stipulated as being exclusive of tax.

For services performed outside of France, all taxes (both direct and indirect), duties, levies and charges of any kind, and especially company taxes of profits, taxes on sales, Customs duties, taxes deducted at source by the Revenue Administration of the country in question, are the customer's responsibility, to be paid directly or by refunding any amounts advanced by Ineris or directly deducted from payments made.

All exchange rate related costs or commissions that may be incurred are to be paid by the customer and cannot be deducted from the price paid to Ineris.

**V - BILLING AND PAYMENT**

Billing takes place in line with the specific stipulations agreed for the contract.

The payment of amounts owing is to be made to head office, net and without discount, in French currency, thirty days end of month from the invoice date:  
/ by check made out to Ineris;  
/ by bank transfer.

It is expressly stated that should there be any delay in making payments at the dates that are set, the amounts owing shall by right attract interest on the basis of ten times the legal interest rate set in France, and this without impacting the demand that the debt be settled in full. The cost of any sight drafts returned unpaid or any collection costs incurred are always the customer's liability. Any interest owed for late payments is not subject to French Value Added Tax (T.V.A.). In the event of any late payment, the penalties owed are payable along with the principal.

The amounts owed shall become due immediately, regardless of any conditions agreed previously, should the customer sell, set aside as guarantee or pledge to a company, its business or its equipment.

Payments cannot be deferred or changed as a result of penalties owed by Ineris. No compensation can be applied as a result of this.

#### VI - CONFIDENTIALITY

Ineris staff is duty bound to observe total discretion and, as such, forbid themselves from releasing to any third parties any information regarding the results of the services performed by Ineris at the customer's request and without their permission. The same applies to any information made available by the customer and explicitly identified as being confidential.

These measures do not however apply to:

- / information in the public domain;
- / information that Ineris was already aware of;
- / information obtained legally through sources other than the customer.

#### VII - INTELLECTUAL AND INDUSTRIAL PROPERTY RIGHTS

Ineris retains full and complete ownership over its diagrams, design work, projects, calculations, processes, know-how, expertise, patents... whether applied or made available, especially when drawing up the proposal and while performing the services. They cannot be released to third parties nor applied without formal approval from Ineris.

Should the services provided lead to a patentable invention, a specific agreement shall be concluded between Ineris and the customer setting out the ownership of the results. As of now, we agree that the sharing of rights shall take into account the financial and intellectual efforts made by each of the parties.

The reports, minutes or other records issued by Ineris shall become the customer's property as soon as Ineris has received payment in full for the services provided. In this case, Ineris cannot release the report, minutes or other record or reproduce it for use by third parties, without the customer's permission.

#### VIII - SUBCONTRACTING

Ineris is allowed, under its own responsibility, to call on subcontractors.

#### IX - TERMINATION

The contract shall be terminated by right should the customer fail to meet their commitments and after this is notified to them by Ineris by recorded delivery letter with receipt acknowledgement and if this situation is not corrected within thirty (30) days from receipt of this letter. Notwithstanding any damages and compensation owed, the customer will in this case be held liable for all spending incurred up to the time of termination. If the down payment made exceeds the spending incurred, it will be retained by Ineris as compensation.

#### X - HYGIENE AND SAFETY

Any work performed by Ineris at the customer's facilities must be performed in line with legally binding stipulations, especially those relating to workplace hygiene and safety, and especially those set out in decree 92-158 dated 20 February 1992 setting out requirements for work performed at a facility by an outside contractor.

If the customer has consigned to a specific document any general and specific safety rules to be compiled with, it is up to them to send them to Ineris, at least ten (10) days ahead of any work by INERIS at the customer's facility.

#### XI - RESPONSIBILITY

##### Customer responsibility

Should they wish to visit the Verneuil-en-Halatte facility, the customer commits to complying with the general stipulations made by INERIS and, where applicable, any specific instructions, especially should the customer have need to intervene at this facility.

The customer assumes full responsibility for any damage caused to Ineris or to its staff due to provision of insufficient or incorrect information.

##### Ineris' responsibility

Ineris will produce its report:

- / in line with the information provided by the customer. The reports will mention the references of any documents provided. Ineris cannot take responsibility if the customer provides incorrect or incomplete information. In the same way, Ineris cannot be bound to integrate any new data provided by the customer while services are being provided;
- / on the basis of this information, the objective (scientific or technical) data available as well as applicable law.

Only a report that shows up the validation process in line with its quality assurance rules

is likely to bring Ineris to accept responsibility.

When acting as a service provider, Ineris is bound to provide the necessary resources to perform its work. Furthermore, Ineris' role is limited to being bound to provide advice. As such, the opinion, recommendations, suggestions or equivalent made by Ineris as part of the work that it is entrusted with can only comprise enlightening the applicant, but never taking over their decision power.

Given the mission entrusted to Ineris by the act founding it, Ineris never intervenes in actual decision making. Ineris cannot therefore take responsibility in place of the decision maker.

Ineris cannot accept responsibility for any material and immaterial damage linked to the fulfilment of the service to be provided.

Ineris cannot accept responsibility for any technical difficulties encountered while performing the work, due to unforeseen events that cause danger to the safety of persons and property.

Ineris cannot be held responsible for any incorrect interpretations that may be made of its report and/or of any failure to apply recommendations that may have been made in it.

Consequently, the end user shall use the results included in the report in full or at least objectively. Any use in the form of excerpts or summary memos will be performed under the full responsibility of the end user. The same applies to any modification made to it.

Ineris declines all liability for any use of the report outside of the scope of the initial service contract.

In all cases, if Ineris was to be held responsible in the context of the provision of its services, the amounts of any compensation, damages and interest paid cannot in any case exceed the price set in the contract and in any case shall remain within the limit of the coverage provided by the civil liability insurance policy coverage taken out by Ineris.

#### XII - DISPUTES

Any dispute that may arise is subject to the terms of French law.

In any dispute that relating to its services, the Courts of Senlis (Oise/France) alone shall be considered competent to hear the matter, and this regardless of the terms of purchase and form of payment accepted, even if called in to guarantee another party or if there are multiple defendants.

This present general contractual terms written in English are for information only. The French version shall prevail over any translation that may be made.