



Z-Test

A part of Labsert



Interlaboratory Comparison Tests



Interlaboratory Comparison Tests

www.labsert.com



Providing Test In Compliance
With ISO 17043



Statistical Calculations are Done
According to ISO 13528

— **Wine Tests**



— **Water Tests**

— **Soil Tests**

— **Custom-Made Tests**

Test Date is Arranged According
to Participants Needs

About Z-Test Programs

Within the scope of the inter-laboratory comparison test (external quality control test) we offer as Z-Test, we also provide you with access to these programs in different analysis areas, especially environmental, water and food analysis. Comparison tests are provided in accordance with ISO/IEC 17043 requirements.



Water Tests



Wine Tests



Soil Tests

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Within the scope of the inter-laboratory comparison test (external quality control test) we offer as Z-Test, we also provide you with access to these programs in many different analysis areas, especially environmental, water and food analysis. Organized comparison tests are evaluated and organized in accordance with ISO/IEC 17043 requirements.

1. ISO 17043 conditions are observed and applied in all process management in the comparison tests.
2. In applications to the organized comparison tests, the current ISO 17025 accreditation validity of the participants is questioned. The final registration of the participants to the tests is only possible if they are accredited according to the ISO 17025 standard in the relevant parameters or if they declare in writing to Labsert that they are in the accreditation process.
3. Our quality policy in comparison tests has been prepared and approved by the senior management. According to our relevant quality policy; all participants, whenever they present their results, learn the assigned values of the comparison test they have participated in, in the results report and at the same time.
4. Information about the activities and calculations to be made within the scope of the cycle is provided to the laboratories with documents on our website or after the participation request, and all this information is also included in our result reports in detail.



Water Tests



Wine Tests



Soil Tests

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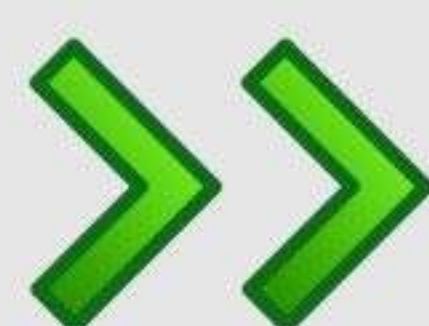
Participation and Registration Procedures

Our primary rule for participation in interlaboratory comparison tests is that the participating laboratory is accredited or in the process of accreditation from ISO 17025. Laboratories that meet this requirement can participate in all of our comparison tests, as well as apply to us with the matrix, parameters and test dates to be determined by them within the scope of our special preparation comparison test.

Comparison test is always open on our program dates, tests and matrices below. All you need to do to get a price quote is to choose the one that suits you from the matrix below, choose the parameters you want to participate in, and inform us of the appropriate month (at least one month in advance) for participation. After you receive your price offer, if you approve it, you can complete the payment up to 15 days before the test date and create your final registration.



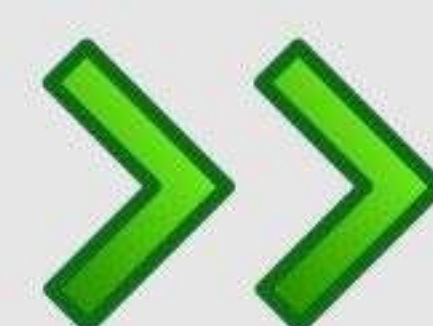
Set a matrix and select parameters that you want to test



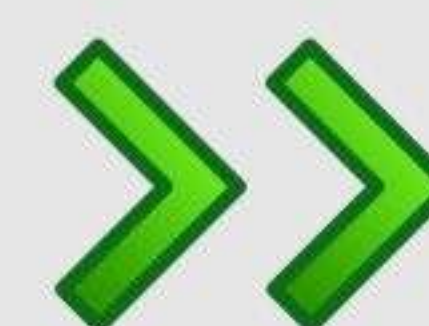
Set the most suitable month for you (E.g: May.2022)



Send us those selected datas to get quotation - global@labsert.com



For pre-registration, approve the quotation and inform us by e-mail



Pay total amount of quotation and finish the registration.



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Water Comparison Tests

Selectable Matrix:

a. Effluent Water b. Potable Water c. Sea Water d. Pool Water

Selectable Parameters:

Alkalinity	Dissolved Oxygen	Nitrate-N	Silver
Aluminum	Fat, Oil & Grease	Nitrite-N	Sodium
Ammonia-N	Fluoride	Total Nitrogen	Solids
Antimony	Free Chlorine	Total Kjeldahl-N	Strontium
Arsenic	H2O2	pH	Sulfate
Barium	Hardness (as CaCO3)	Phenol	Sulfur
Biguanide	Iron	PO4-P	Sulphite
Bismuth	Isocyanuric Acid	Total P	TOC
BOD	Lead	Potassium	Chlorine
Boron	Lithium	Salinity	Turbidity
Bromide	Magnesium	Selenium	Vanadium
Cadmium	Manganese	Silica	Zinc
Calcium	Mercury	Cyanide	Thallium
Chlorid	Molybdenum	Color	Titanium
Chromium	Nickel	Conductivity	
Cobalt	Copper	COD	



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Wine Comparison Tests

Selectable Matrix:

a. Red Wine b. White Wine c. Sparkling Wine

Selectable Parameters:

- | | |
|---------------------|-------------------------|
| * Density | * Free SO ₂ |
| * Alcohol in Volume | * Total SO ₂ |
| * Total Dry Matter | * Glucose |
| * Reducing Sugar | * Fructose |
| * Total Acidity | * Turbidity |
| * Volatile Acidity | * pH |
| * Citric Acid | |

Selectable Matrix:

a. Grape Juice

Selectable Parameters:

- * Brix



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Soil Comparison Tests

Selectable Matrix:

a. Soil

Selectable Parameters:

* Total Organic Matters * Conductivity * pH





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Custom-Made Comparison Tests

Custom made external quality control tests mean time and content independent interlaboratory comparison tests offered for accredited laboratories. In this test group, the laboratory determines the contents it needs (For example, the required test parameters, the matrix property of the sample, the analysis method) and shares this content with the test provider. If the requested content is found suitable for the test cycle, an appropriate date is determined with the participant. Afterwards, the test is organized and the comparison test report containing the Z score and other statistical results is presented to the laboratory.

Custom made external quality control tests are performed with the participation of at least 3 or 4 accredited laboratories. When the test request is shared with the test provider, this information is shared with other laboratories by the test provider, and the laboratories that want to participate in the relevant test cycle are determined and the test cycle is arranged..



Interlaboratory Comparison Test

