

October 20th 2025

Dear participant,

Thank you for joining Progetto Trieste!

Instructions: (see the next pages too)

- Before starting the analysis check the test materials, for any problem contact IMMEDIATELY info@progettotrieste.com; if we do not receive your communications, we consider adequate the test materials you have received. Comments regarding problems with the test materials that are submitted through the answer form can not be promptly managed.
- Before the analytical session, store the test materials at the temperatures indicated in the next pages.
- Storage temperature can be different from shipping temperature.
- Please, read carefully the instructions about the use of lyophilized samples attached to this e-mail.
- Before any analysis, check the answers form in order to know the parameters that will be required (e.g. list of molecules, unit of measurement ...)
- The answer forms require the results to be submitted with two decimal places. For this reason, we inform you that in the statistical data processing, all the data submitted by the participants will be elaborated considering all not declared decimal places as corresponding to "zero" (e.g. 25=25,00 - 25,3=25,30 - 25,32=25,32).
- Process materials according to your routine analytical methods.
- Fill in the **answers form**, available at **www.testveritas.com** in your restricted area. If you have not a password, you should make your subscription through the **Members Login** area at www.testveritas.com.
- Please submit results within **November 24th 2025**.
- In January 2026, the Final Report regarding these test materials will be available. We will communicate to you when it will be uploaded.

If you have any problems to fill in the answer form, or for using test materials, or for reconstitution procedure, please contact us to contact Progetto Trieste Secretariat:

for commercial information: info@progettotrieste.com

for questions regarding invoices, orders or shipments: orders@testveritas.com

to find more about Progetto Trieste (FAQ, evaluation criteria...): www.testveritas.com

tel. +39 040 375 5560

fax +39 049 210 649 38

Yours faithfully,

Mrs Eva Perez



Progetto Trieste Secretariat

test material: MUSCLE

It is necessary to reconstitute the quantity needed for the analysis. The actual quantity of the reconstituted sample is obtained by adding up the weight of the powder and the weight of the water used for the reconstitution. It is recommended not to change the proportion for the reconstitution.

1.		Bring the sample to room temperature.
2.		Mix gently with a spatula, then weigh the powder: it is recommended not to reconstitute less than 1g or more than 4,8g of powder at once.
3.		Add the quantity of double distilled water indicated below to each g of weighed powder.
4.		Mix the sample using a vortex for 2 minutes.
5.		Wait for the absorption of moisture by leaving the sample at +2/+8°C “overnight”.
6.		The day after, before use, bring the sample to room temperature.
7.		Mix the sample with a spatula.
8.		Analyse the sample using your extraction procedure.

M5901: Lyophilized chicken muscle for metals analysis. Spiked sample. Store at -15/-25°C. The test material is composed of one bottle containing the powder.
1.00g of powder must be reconstituted with 3.67g of double distilled water.

test material: MILK

It is necessary to reconstitute the quantity needed for the analysis. The actual quantity of the reconstituted sample is obtained by adding up the weight of the powder and the weight of the water used for the reconstitution. It is recommended not to change the proportion for the reconstitution.

1.		Bring the sample to room temperature.
2.		Mix gently with a spatula, then weigh the powder: it is recommended not to reconstitute less than 1g or more than 10g of powder at once.
3.		Add the quantity of double distilled water indicated below to each g of weighed powder.
4.		Mix the sample shaking it gently (hand by hand).
5.		Wait for the absorption of moisture by leaving the sample at +2/+8°C “overnight”.
6.		The day after, before use, heat it in water-bath at +38/+42°C for about 1 hour (or up to the complete dissolution of all the clots), then bring it to room temperature.
7.		Mix the sample shaking it gently (hand by hand).
8.		Analyse the sample using your extraction procedure.

MI5902: partially defatted raw lyophilized bovine milk for metals analysis. Spiked sample. Store at +2/+8°C. The test material is composed of one bottle containing the powder.
1.00g of powder must be reconstituted with 9.75g of double distilled water.

test material: LETTUCE		
It is necessary to reconstitute the quantity needed for the analysis. The actual quantity of the reconstituted sample is obtained by adding up the weight of the powder and the weight of the water used for the reconstitution. It is recommended not to change the proportion for the reconstitution.		
1.		Bring the sample to room temperature.
2.		Mix gently with a spatula, then weigh the powder: it is recommended not to reconstitute less than 1g or more than 3g of powder at once.
2.		Add the quantity of double distilled water indicated below to each g of weighed powder.
3.		Mix the sample shaking it gently (hand by hand).
4.		Wait for the absorption of moisture by leaving the sample for 2 hours at room temperature. 
6.		Mix the sample with a spatula.
7.		Analyse the sample using your extraction procedure.

VF5900: Lyophilized lettuce for metals analysis. Spiked & incurred sample.
Store at -15/-25°C. The test material is composed of one bottle containing the powder.
1.00g of powder must be reconstituted with 22.81g of double distilled water.

test material: MUSSELS POWDER lyophilized mussels to be tested
Before using test materials bring it at room temperature and mix well with a spatula.
SF5907: Lyophilized mussels for metals analysis. Spiked & incurred sample. Store at -15/-25°C. The test material is composed of one bottle containing the powder: the raw material is mussels powder and it should not be reconstituted, unless it is prompted in your extraction procedure.

test material: HONEY
Warning: the honey could be in the cap (all or part of it) if the bottle was upside down. Before using mix the test material <u>VIGOROUSLY</u> with a spatula, in order to homogenize it. We recommend you to take a quantity not less than 2g.
H5903: wildflower honey for metals analysis. Spiked sample. Store at room temperature. The test material is composed of one bottle containing the sample.

other test materials
Before using test materials bring it at room temperature and mix well with a spatula.
WH5906: wheat flour for metals analysis. Spiked sample. Store at -15/-25°C. The test material is composed of one bottle.
VF5914: tomato puree for metals analysis. Spiked sample. Store at -15/-25°C. The test material is composed of one bottle.
F5905: swine feed for metals analysis. Spiked&incurred sample. Store at -15/-25°C. The test material is composed of one bottle.
VF5911: chili sauce for additive analysis (dyes). Spiked sample. Store at -15/-25°C. Material could be contaminated with one or more than one of the molecules indicated in the answer form. The test material is composed of one bottle.
SD5913: tonic water for additive analysis. Spiked&incurred sample. Store at -15/-25°C. Material could be contaminated with one or more than one of the molecules indicated in the answer form. The test material is composed of one bottle.

HOW TO USE LYOPHILIZED MATERIAL

Some of the Progetto Trieste Test materials are provided as lyophilized materials (which means that their content of water has been removed).

The lyophilization is used in order to make the Test Material less degradable; the lyophilized material is more stable, it is less affected by temperature changes and it lasts more.

We lyophilize our Test Materials **ONLY** in order to make their shipment easier; **BEFORE USING** the Test Materials you **MUST RECONSTITUTE** them, bringing them back as they were originally. To reconstitute them you have to add the right amount of water.

RESUSPEND THE MATERIAL BY USING THE SPECIFIC PROCEDURE PROVIDED BY US.

You can find the specific resuspension procedure for each Test Material in the instructions provided. We also have prepared some videos for supporting the instructions for reconstituting the lyophilized PT test materials. Look the videos at <http://www.testveritas.com/service/chemical-research/#1623915252685-2ee95fa3-3bfa>.

The test material can be used only after his resuspension; the resuspended material will be similar to the matrix you usually use in your analysis.

Only after resuspension you can use the Test Material, considering it as a real sample (such as muscle, urine, egg, milk, tomato and so on). Now you can take the quantity of matrix needed to apply your extraction procedure and to realize your analysis.

At the end of the analysis, **DO NOT USE** conversion factors or corrections due to the quantity of water you previously added, treat your data like when you use real samples (not lyophilized).

DO NOT USE LYOPHILIZED MATERIALS AS POWDER IN YOUR EXTRACTION PROCEDURE, ALWAYS RESUSPEND THEM BEFORE.

DO NOT CHANGE THE RESUSPENSION PROCEDURE AND DO NOT CHANGE THE QUANTITY OF WATER TO ADD: IF YOU DO THAT, YOUR RESULTS WILL BE CONSIDERED AS INVALID.

Test Material – sample for laboratory analysis

Identification of product

Test material for laboratory analysis

Matrix: bread, chips, coffee, cereals, dried fruit, eggs (lyophilized), flour, spices, cocoa, fruits and vegetables (lyophilized or not lyophilized), cheese, honey, juice, wine, legumes, rice, pasta, meat products (lyophilized or not lyophilized), milk (lyophilized), nut fruits, see food (lyophilized or not lyophilized), serum (lyophilized), offal (lyophilized), tomato puree, urine (lyophilized), water.

Relevant identified uses of the substance or mixture and uses advised against

This is not a sale product; this is a sample for laboratory analysis that is to be used within a Proficiency Testing. Use the sample in according to the supplier's instructions.

Details of the supplier of the data sheet

Test Veritas S.r.l.

Sede legale: Via Svizzera 16, Padova 35127 Italia

tel. +39 049 8256292 fax +39 049 21064938

Sede operativa: c/o Area Science Park, Loc. Padriciano 99, Trieste 34149 Italia

tel. +39 040 3755560

e-mail: info@tetsveritas.com

Emergency telephone number

Not applicable

Hazards identification

Classification of the substance or mixture

The mixture doesn't meet the criteria for classification in accordance with Regulation (CE) n. 1272/2008

Label elements

Not applicable

Other hazards

Not applicable

Composition / information on ingredients:

Not applicable

First aid measures

Not applicable

Firefighting measures

Not applicable

Accidental release measures

Not applicable

Handling and storage

Storage according to the supplier's specifications

Exposure controls / personal protection

No exposure limits applicable

Disposal considerations

Use the material for its intended use and dispose of it in accordance with applicable regulations

Regulatory information

Regulation REACH; Regulation (CE) N. 1272/2008 and subsequent updates through ATP; directives 98/24 / CE - 92/85 / CEE - 94/33 / CE - 2008/98 / CE - 2010/75 / UE; Regulation (UE) 2020/878 of the Commission.

Other information

This information sheet is provided on a voluntary basis because the mixture is not considered hazardous in accordance with Regulation (EC) No. 1272/2008 and the REACH Regulation.

Date 15/03/2024