



MED Food TTHubs - Trace & Trust Hubs for MED Food

Grant Agreement No 1931

Med Food TTHubs e-Platform Step-by-Step Guide:

Check/Validate DNA Profiles of Products

(Farmer/Breeder/Packer/Seller/Trader/Retailer)

Lead Beneficiary: GP

Issued by: GP

PIKEP\$SXNGI\$

Rimliv\$di\$VMQ E\$Syrhexsr\$svr}\$tiwsr\$gmk\$er\$filep\$js\$di\$Syrhexsr\$u\$wiwtrwfpj\$sv\$di\$wi0\$ lrgl\$mkL\$fi\$
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Table of Contents

1. Aim4

2. Sign-in Process.....5

2.1. For the web:5

3. DNA Profile Checks.....7

1. Aim

The user with the role with one of the roles Farmer/ Breeder/ Packer/ Seller/ Trader/ Retailer enters the platform in order to check if a provided DNA Profile of a specific Product is corresponding (similarity test) to the DNA Profile of the Template Product to which the specific Product claims to be connected with.

2. Sign-in Process

2.1. For the web:

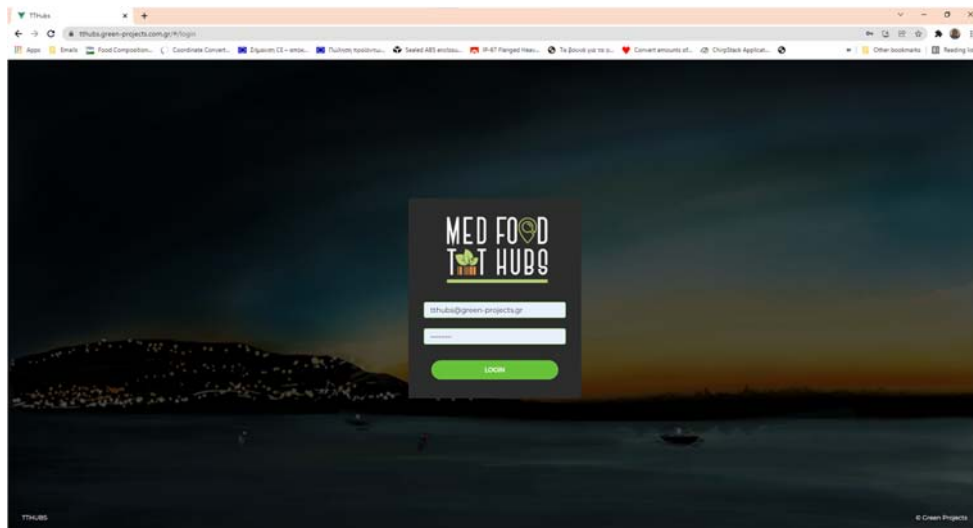
Link: <https://tthubs.green-projects.com.gr/>

Username: tthubs@green-projects.gr

Password: greengreen

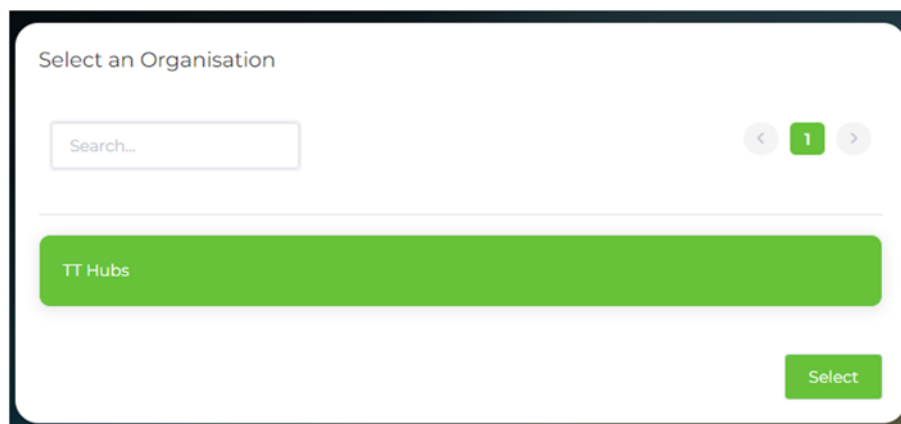
Attention!: each a-tester shall use the credentials that are given in document “MED Food TTHubs_D4.2_Info for Use Cases Testing XXXX 01”, where XXXX is the acronym of the partner.

Sign in page



Select Organisation.

Each user may belong to one or more organisations and may have one or more roles. The user tthubs@green-projects.gr belongs to TT Hubs Organisation and he/she has the role of Farmer/Breeder/Packer/Seller.



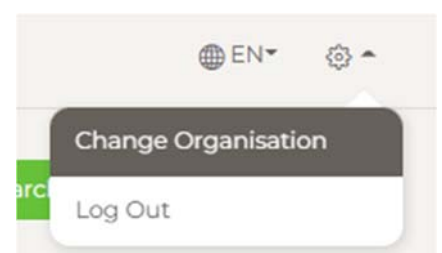
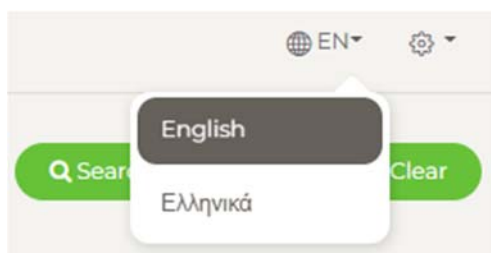
Left Menu – Select e-platform area



Based on the role(s) that each user has the relevant menu items are visible. The menu is foldable by pressing . Buttons support the navigation in the platform and the return to homepage (Places→Map).

Select Language and other choices

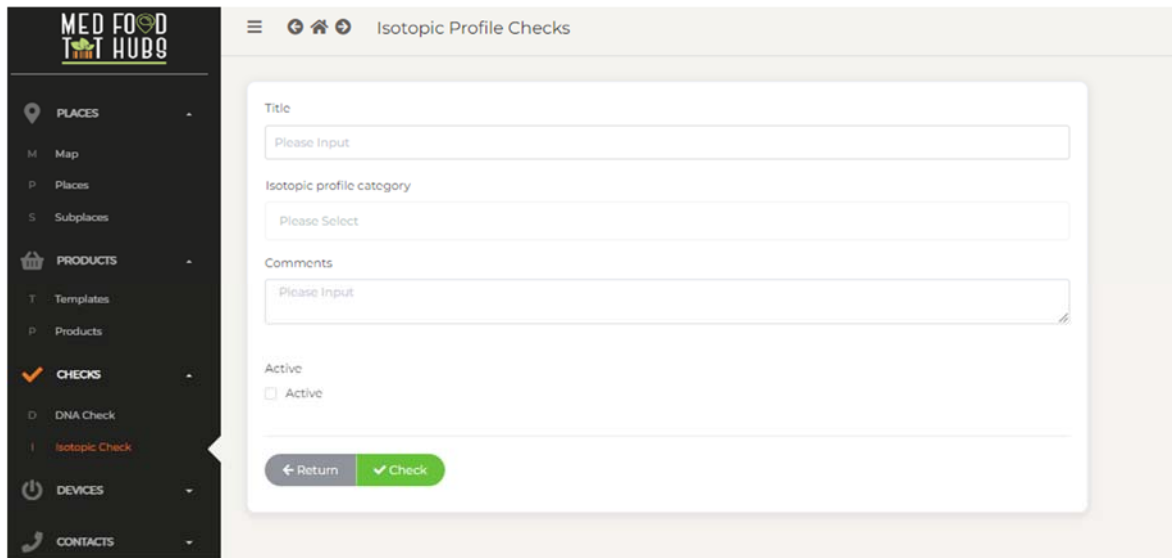
On each page of the platform there is a menu at the upper right corner allowing the selection of the language (the platform will be available in English, Greek, Italian, Spanish, Portuguese and Arabic – the multilingualistic operation of the platform is not yet fully functional). There are also choices for changing the selected organisation, if the use belongs to more than one organisation and for log out.



3. DNA Profile Checks

Under the menu “Checks” two choices are found: “DNA Check” and “Isotopic Check”.

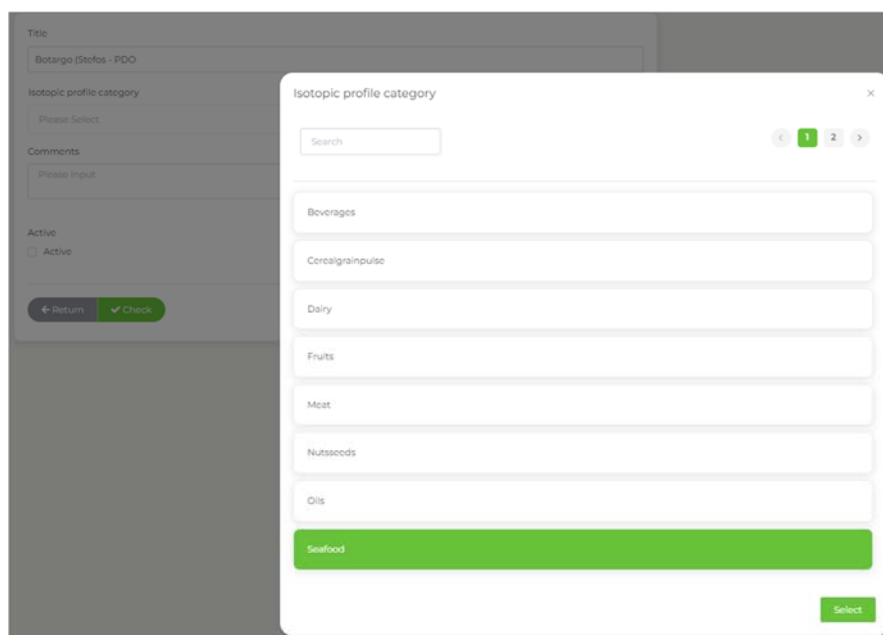
The user selects the “DNA Check” and a form is shown in which the user shall fill in the information concerning the DNA Profile under question.



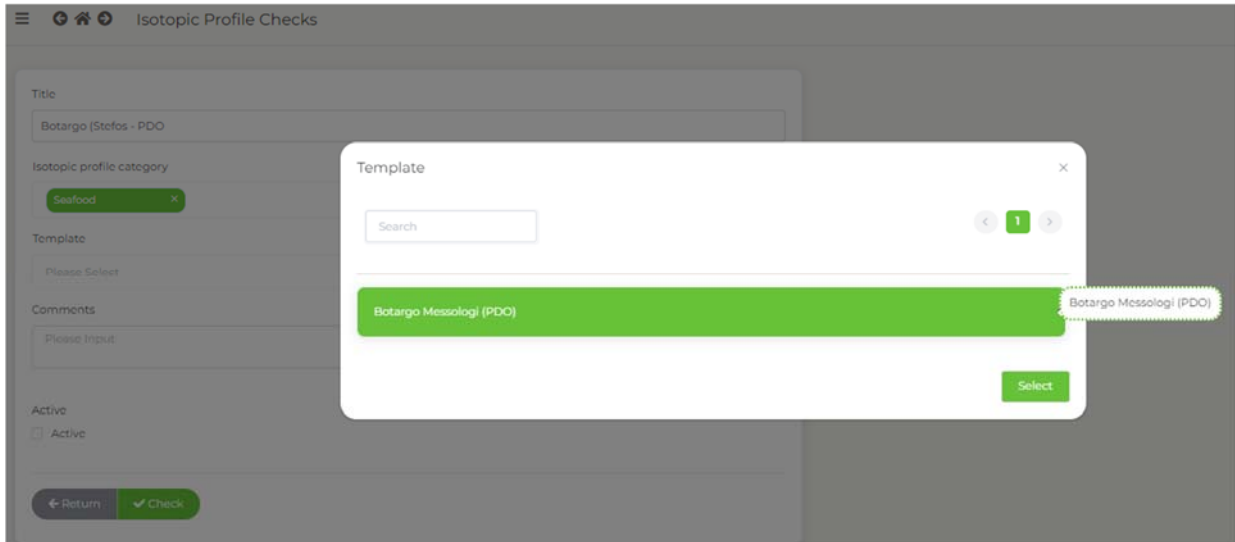
The information is provided by filling in the following fields:

Name of Product to be tested (a descriptive name of the DNA Profile of the product under question) (e.g. Botargo (Stefos - PDO))

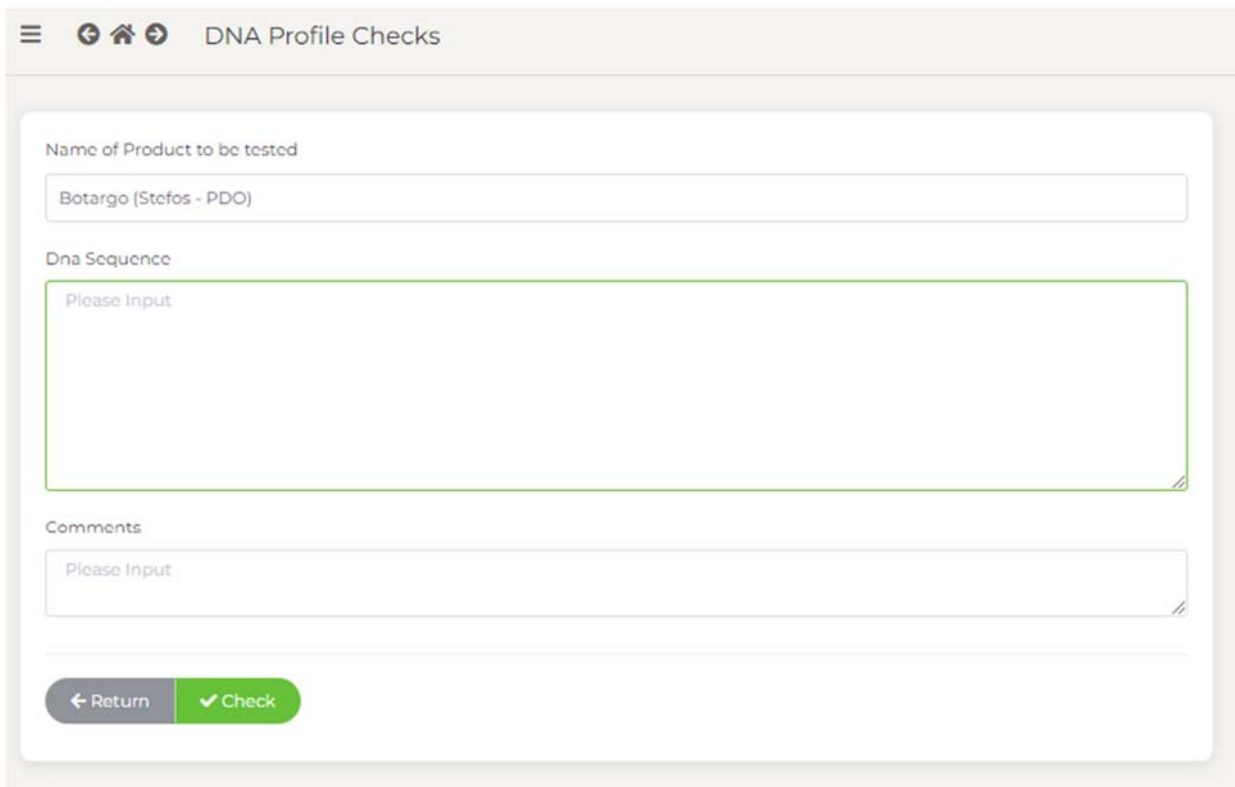
DNA profile category (the product category shall be selected) (e.g. Seafood)



Template (the Template Product, against which the comparison will be done, is selected).



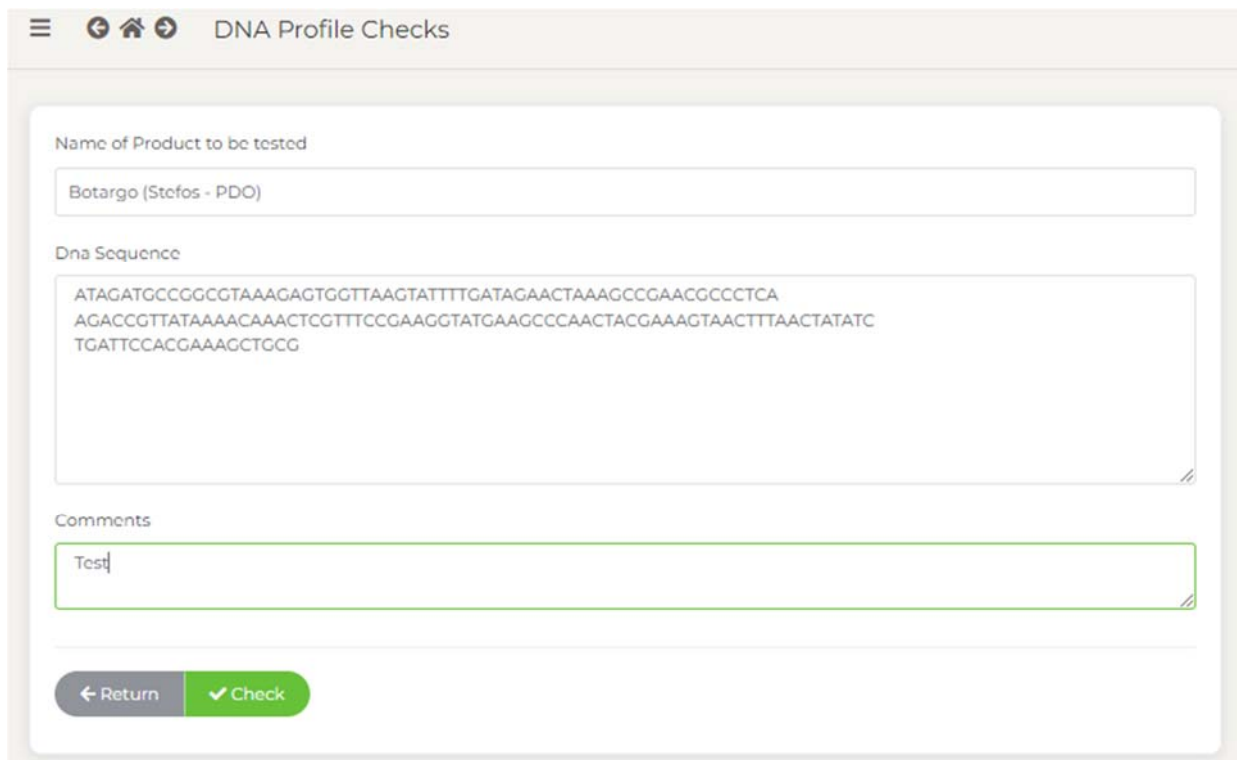
After selecting the Template, a field of DNA sequence is shown to the user, where the DNA sequence of the DNA profile under question shall be provided.



The user fills in the following DNA sequence and presses the button



```
ATAGATGCCGGCGTAAAGAGTGGTTAAGTATTTTGATAGAACTAAAGCCGAACGCCCTCA
AGACCGTTATAAAACAACTCGTTTCCGAAGGTATGAAGCCCACTACGAAAGTAACTTTAACTATATC
TGATTCCACGAAAGCTGCG
```



☰ ⏪ 🏠 ⏩ DNA Profile Checks

Name of Product to be tested

Botargo (Stefos - PDO)

Dna Sequence

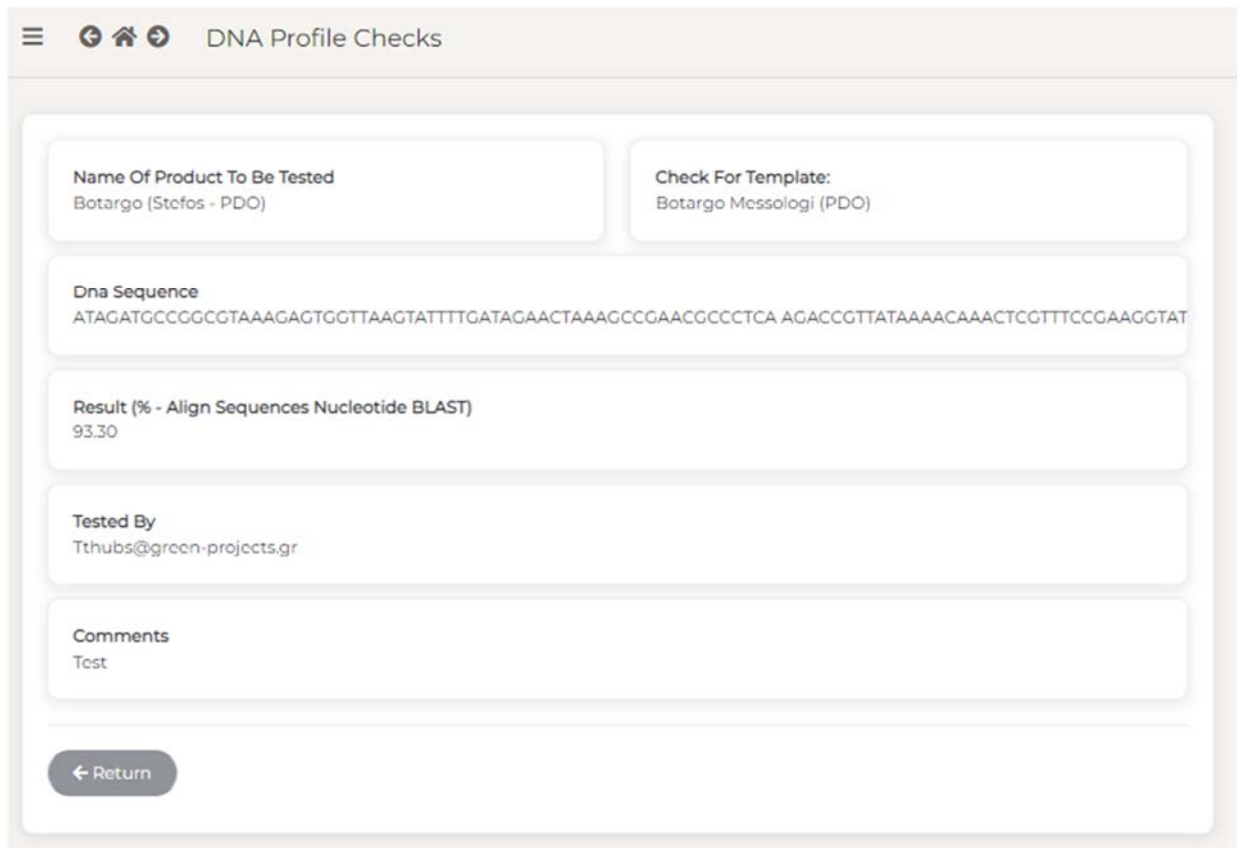
```
ATAGATGCCGGCGTAAAGAGTGGTTAAGTATTTTGATAGAACTAAAGCCGAACGCCCTCA
AGACCGTTATAAAACAACTCGTTTCCGAAGGTATGAAGCCCACTACGAAAGTAACTTTAACTATATC
TGATTCCACGAAAGCTGCG
```

Comments

Test

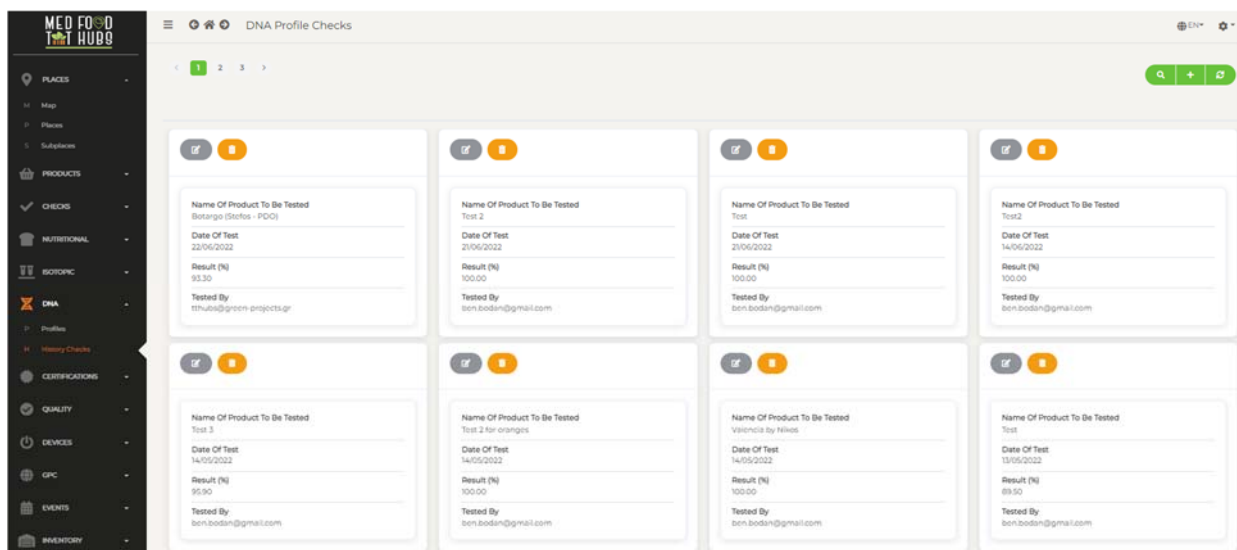
⏪ Return ✓ Check

The Blast algorithm is called at NCBI (<http://www.ncbi.nlm.nih.gov>) through the API. The result of the comparison is shown to the user.

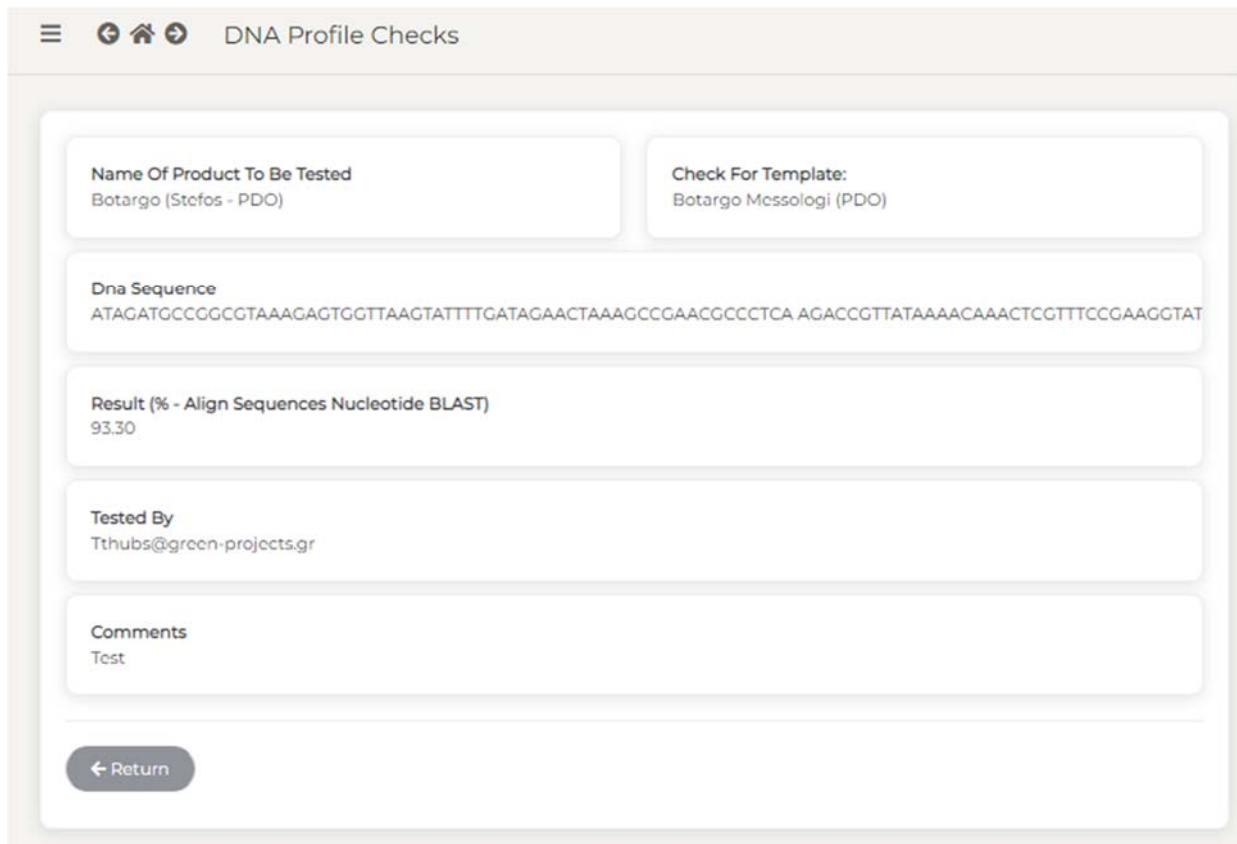


The history of the results of the DNA Profile Checks is available to the Local Administrators.

A Local Administrator (see Use case 14 Document for signing in as Local Administrator) has access to the page “History Checks”, which is found under the menu “DNA”, where a list of checks’ results is shown.



By selecting a check, the details of that check are shown.



The screenshot shows a mobile application interface for 'DNA Profile Checks'. The header includes a menu icon, navigation icons (back, home, forward), and the title 'DNA Profile Checks'. The main content area is divided into several sections:

- Name Of Product To Be Tested:** Botargo (Stefos - PDO)
- Check For Template:** Botargo Messologi (PDO)
- Dna Sequence:** ATAGATGCCCGCTAAAGAGTGGTTAAGTATTTTGATAGAACTAAAGCCGAACGCCCTCA AGACCGTTATAAAACAAACTCGTTCCGAAGGTAT
- Result (% - Align Sequences Nucleotide BLAST):** 93.30
- Tested By:** Tthubs@green-projects.gr
- Comments:** Test

At the bottom left, there is a 'Return' button with a left-pointing arrow.