

ROMER LABS DATA MANAGER

Version 2.1

USER MANUAL

Introduction

Romer Labs Data Manager is a desktop application that collects test results from different AgraVision™ Pro Readers and generates reports. It is designed to run on Windows 10 or higher.

The application allows users to:

- > Automatically collect all test results from connected AgraVision™ Pro Readers
- > Set acceptance thresholds for test result interpretation
- > Share test results between repositories
- > Add parameters to identify AgraVision™ Pro Readers
- > Export results as a .CSV file
- > Create a PDF report for individual test results
- > Create a PDF report for a selected group of test results, including a summary page
- > Automatically export test results to a folder shared with the LIMS system
- > Graphically display testing activity and result analytics on the dashboard
- > Export a backup of their results and import backed-up results

The Romer Labs Data Manager is included with the AgraVision™ Pro reader.

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1. Installation of the Romer Labs Data Manager

The Romer Labs Data Manager application (application) can be installed on any PC with Windows 10 or higher. Simply run the *RomerLabsDataManagerSetup-#.##.exe* file. An easy-to-use installer will complete the installation.

No special user permissions are required if installing the Manager to the default location.

- > The default installation path is
C:\Users\[CurrentUser]\AppData\Local\RomerLabs\RomerLabsDataManager
- > The default location for saving reports is C:\Users\[CurrentUser]\Desktop
- > The default location for saving a LIMS export is
C:\ProgramData\RomerLabs\RomerLabsDataManager\LIMS_export

During installation, a user can choose a different location to save the application.

The installer also allows the user to create a desktop shortcut.

The installer will prompt the user to read and accept the end-user and third-party software license agreement.

The application can be launched by clicking on the application shortcut (from the desktop or Start menu).

2. Security requirements

Security Requirements for Connecting to the AgraVision™ Pro Instrument

To enable communication between your computer and the AgraVision™ Pro instrument, please ensure the following network permissions and configurations are in place. The AgraVision™ Pro device supports three types of connections:

- > Direct USB-Ethernet-USB Connection to Your PC
 - When connecting directly using a USB-Ethernet-USB cable, your computer must allow the creation of a new network connection. Ensure that your device's network settings permit the establishment of a new network between your PC and the AgraVision™ Pro instrument.
- > Connection via Local Area Network (LAN)
 - When connecting the instrument to your local network using a physical USB-Ethernet adapter, the LAN must permit new devices to join the network. Please verify that your network administrator has allowed this functionality.
- > Connection via Local Wi-Fi Network
 - The AgraVision™ Pro can also connect to your local Wi-Fi network. Use the instrument's on-screen interface to enter your Wi-Fi credentials. Ensure that the Wi-Fi network accepts new device connections.

Important:

- > Regardless of the connection method, the network must support broadcast communication. This is essential for your computer to automatically discover AgraVision™ Pro instruments on the network and retrieve their results.

3. Uninstallation of the application

To uninstall the Romer Labs Data Manager application, go to:

- > Control panel
- > Programs
- > Uninstall a program
- > Right click on "Romer Labs Data Manager" and select Uninstall.
- > Follow the process and click OK.

4. Update of the application

The application needs to be updated by a user with admin rights. To update the application:

- > Uninstall the previous version of the application as described in chapter 3
- > Re-start the computer
- > Install the new version of the application as described in chapter 1
- > Run the application at least once (this ensures that any changes made to the application's database are also updated accordingly).

5. Initial set-up

5.1. Connecting AgraVision™ Pro reader/s to the application

- > Begin by establishing a connection between your reader or readers and the application in one of two ways:
 - via cable: insert a USB A – LAN adapter to the reader and connect it to the PC via ethernet cable
 - via network: The reader can be connected to the network using:
 - cable: as above, except that the cable is connected to the switch/router instead of the computer
 - Wi-Fi: using Wi-Fi dongle on the reader

NOTE: Ensure that the IT department has enabled local network broadcast traffic. This is required for the application to detect and communicate with the reader over the network.

NOTE: Check the AgraVision™ Pro reader manual to view and change Wi-Fi network settings on the reader.

- > The Romer Labs Data Manager application can read data from multiple AgraVision™ Pro readers simultaneously, both through network or when several readers are connected simultaneously to the PC.

5.2. Registration of AgraVision™ Pro reader/s

AgraVision™ Pro readers are automatically registered when the reader is connected to the computer and the application is run for the first time.

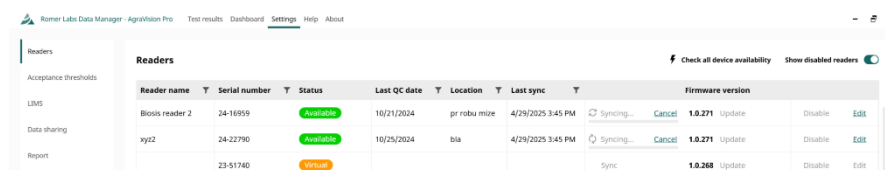
The application always checks for existing and new readers on the network:

- > when the application starts and
- > during manual or automatic synchronization cycles.

If a new reader is detected, it is automatically registered and added to the list of readers. Its data is then synced to the application.

The following data from the newly registered reader is automatically stored:

- > Reader serial number
- > Firmware version
- > Date and time of the most recent sync (if syncing automatically after successful registration).
- > Reader name
- > Reader location
- > The timestamp of the reader's last QC check



The screenshot shows the 'Readers' section of the Romer Labs Data Manager application. It features a table with columns for Reader name, Serial number, Status, Last QC date, Location, Last sync, and Firmware version. There are also buttons for 'Syncing...', 'Cancel', 'Update', 'Disable', and 'Edit' for each reader entry.

Reader name	Serial number	Status	Last QC date	Location	Last sync	Firmware version
Bloss reader 2	24-16959	Available	10/21/2024	pr robu mize	4/29/2025 3:45 PM	1.0.271
xyx2	24-22790	Available	10/25/2024	bla	4/29/2025 3:45 PM	1.0.271
	23-51740	Virtual			sync	1.0.268

5.3. Password protection

In order for the test results data to be transferred from AgraVision™ Pro reader/s to the application, the application must be able to access the reader through a password.

A default password is set for readers in the factory and is automatically recognized by the application. Data is automatically synced after registration and after any automatic or manual sync if this default password remains unchanged.

If a password (i.e., not blank) has been set by the admin user on a reader, the application cannot log in automatically and will prompt the user to enter the password during the first sync attempt (whether automatic or manual). A popup will appear displaying the reader ID and a field to enter the required password.

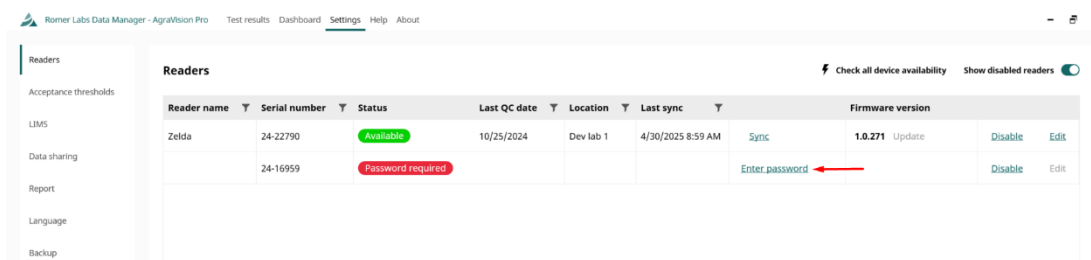
Password required



A reader with the serial number 20-00002 is password protected. To connect to it enter the password of reader user.

Password

You can enter a password immediately or enter it later from the readers section by clicking "Enter password".

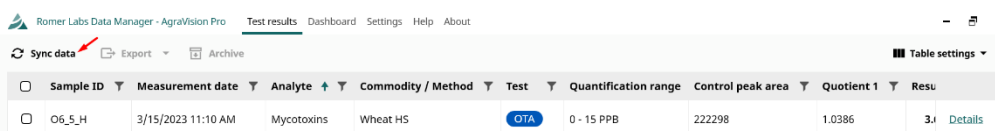


6. Importing test results

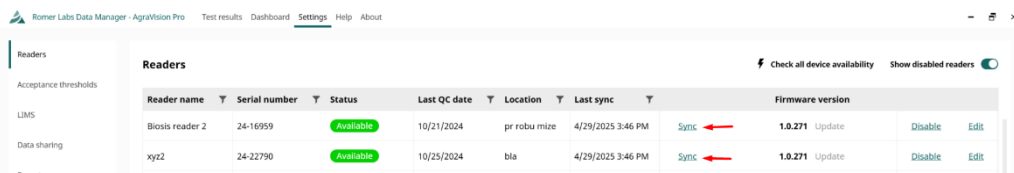
6.1. Importing test results from AgraVision™ Pro reader/s

The synchronization of data (import) from the reader/s can be triggered in two ways:

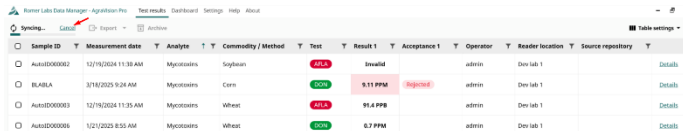
- > **Automatically** from all available readers at once:
 - when the initial reader connection is established,
 - when launching the application, or
 - every minute that the reader is connected (background automatic sync).
- > **Manually**
 - for all readers at once from the dashboard by clicking the "Sync data" button



- for an individual reader from the Readers screen by clicking "Sync" next to the reader

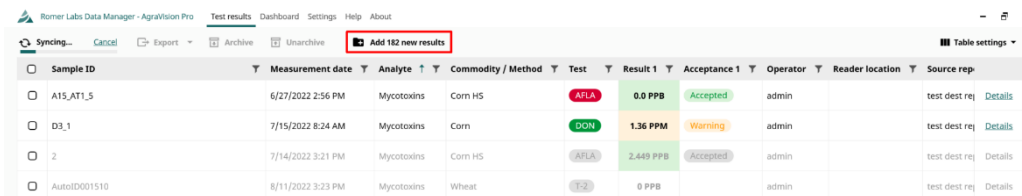


During sync, a "Sync data" or "Sync" button will change to "Syncing" with a progress bar. An option to click "Cancel" will also appear.



If a sync is cancelled, test results that have already been transferred are added to the list of test results.

For background automatic syncing, the new test results are not automatically added to the records list. Instead, after background sync is complete, an "Add # new result/s" button appears above the records list. Click it to populate the records list with new test results. A notification will then appear showing the number of new records added. The button disappears until new test results are available.



If syncing is triggered manually, new data populate the table immediately. If syncing from multiple readers, syncing is done consecutively. Only data that has not previously been synced is imported into the application.

6.2. Importing test results from a repository

A repository (or multiple repositories) for importing test results can be set in the "Data sharing" subsection of Settings (see chapter 11.4).

The repository test results are synced during the automatic sync, after all test results have been imported from the instruments. The sync from repositories can also be triggered manually, either from the Data sharing page or by pressing the Sync data button on the Test results screen. Whether automatic or manual, new test results are added to the database in the same way as tests imported from an instrument. The reader Status for such tests is recorded as "Virtual reader" (see chapter 10.1).

If a test result record already exists—imported either from a reader or a different repository—it is not added or duplicated.

7. Test results screen

The application's main screen displays a list of all test results in a table format. The table reflects test results imported from all readers that have ever been registered and successfully connected to the application and all connected repositories.

Sample ID	Measurement date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Operator	Reader location
AutoID000027	2/17/2021 11:29 AM	GMOs	Corn	VIP3A	< 0.1 %	Accepted	admin	
AutoID000159	8/3/2021 3:08 PM	Mycotoxins	Sunflower seeds	DON	0.5 PPM	Accepted	admin	
AutoID000005	2/17/2021 9:37 AM	Mycotoxins	Corn	AFLA	2.0 PPB	Rejected	admin	
AutoID000189	8/23/2021 9:26 AM	Mycotoxins	Wheat	AFLA	Invalid		admin	
AutoID000135	8/3/2021 10:51 AM	Mycotoxins	Corn	DON	0.52 PPM	Accepted	admin	
test_017	7/8/2021 11:13 AM	Mycotoxins	Corn	ZON	0 PPB	Accepted	admin	
test_026	7/8/2021 11:48 AM	Mycotoxins	Corn gluten meal HS	DON	< 3.1 PPM	Accepted	admin	
AutoID000032	2/17/2021 11:38 AM	GMOs	Canola	LL	Invalid		admin	
AutoID000002	7/11/2022 7:45 AM	Mycotoxins	Wheat	OTA	Invalid		admin	
AutoID000007	2/17/2021 9:37 AM	Mycotoxins	Corn	DON	0.5 PPM	Accepted	admin	
test_004	6/23/2021 10:10 AM	Mycotoxins	Corn	DON	0.53 PPM	Accepted	admin	
AutoID000076	7/30/2021 1:48 PM	Mycotoxins	Rice HS	ZON	5 PPB	Rejected	admin	
AutoID000048	7/14/2021 2:47 PM	Mycotoxins	Oats	DON	0.51 PPM		admin	

Showing all 223 entries.

By default, columns are displayed in the following order:

- > Sample ID: sample name as entered by the user on the instrument. More than one sample can share the same sample ID.
- > Measurement date: the time stamp, (i.e., month, year, hour, minute, second) of when the test was completed.
- > Analyte: identifies the Test (i.e., Mycotoxin, GMO, or Allergen).
- > Commodity/Method: Mycotoxin and Allergen tests show the commodity being tested, while GMO tests show method.
- > Test: defines the analysis target of the test strip, (e.g., AFLA).
- > Result
 - Invalid: when the control line is not OK.
 - Incomplete: When a test result is not interpretable or data is missing.
 - The result number: can indicate the following

- within range: the measured concentration is shown with the appropriate units
- out of range: the measured concentration is greater than or smaller than the limits of quantification.
- NOTE: Certain GMO strips (dual trait and triple trait) have more than one test result. In case of multiplex tests (e.g., triple trait), all results are available.
- > Acceptance: If the test acceptance thresholds have been set (chapter 11.2), this indicates if the test result is "Accepted", accepted with a "Warning", or "Rejected".
- > Operator: the name of the user who carried out the test as displayed on the AgraVision™ Pro reader.
- > Reader location: indicates the location of the reader (read from the reader) that can be edited in the application.

Additional information can be displayed for each test result. See "Table settings" to add any of the following columns:

- > Quantification range
 - Denotes the sensitivity range of the test.
- > Control peak area
- > Test peak area
 - NOTE: Certain GMO strips (dual trait and triple trait) have more than one test result. In case of multiplex tests (e.g. triple trait) all peak areas are available.
- > Quotient
 - Ratio of test peak area to control peak area
 - NOTE: Certain GMO strips (dual trait and triple trait) have more than one test result. In case of multiplex (e.g. triple trait), all peak areas are available.
- > Operator: the name of the user who carried out the test as displayed on the AgraVision™ Pro reader.
- > Lot ID: e.g. 1010000101
- > Strip ID: a 5-digit unique number for Mycotoxin and Allergen tests.
 - NOTE: Strip ID is not present for GMO tests.
- > Reader name: a user-friendly name that can be defined by the user on the "Readers" sub-screen of the Settings.
- > Reader serial number: source reader on which the test was performed.
- > Firmware version of the reader.

- > Source repository: If a test result originates from a repository, the name of that repository is displayed here.
- > Import date: The exact date and time (day, month, year, hour, minute, second) when the test result was successfully synced to the application.
- > Curve: the calibration curve used to calculate the measurement.

<input type="checkbox"/>	Sample ID	Measurement date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Reader location	Details
<input type="checkbox"/>	O6_5_H	3/15/2023 11:10 AM	Mycotoxins	Wheat HS	OTA	3.6 PPB			Details
<input checked="" type="checkbox"/>	O6_3_H	3/15/2023 11:03 AM	Mycotoxins	Wheat HS	OTA	2.6 PPB			Details
<input checked="" type="checkbox"/>	O6_3_H	3/15/2023 11:03 AM	Mycotoxins	Wheat HS	OTA	2.5 PPB			Details
<input checked="" type="checkbox"/>	O6_3_H	3/15/2023 11:03 AM	Mycotoxins	Wheat HS	OTA	2.2 PPB			Details
<input type="checkbox"/>	O6_3_H	3/15/2023 11:03 AM	Mycotoxins	Wheat HS	OTA	2.7 PPB			Details
<input type="checkbox"/>	O6_1.5_H	3/15/2023 10:57 AM	Mycotoxins	Wheat HS	OTA	1.2 PPB			Details
<input type="checkbox"/>	O6_1.5_H	3/15/2023 10:57 AM	Mycotoxins	Wheat HS	OTA	1.2 PPB			Details
<input type="checkbox"/>	O6_1.5_H	3/15/2023 10:57 AM	Mycotoxins	Wheat HS	OTA	0.9 PPB			Details
<input type="checkbox"/>	O6_1.5_H	3/15/2023 10:57 AM	Mycotoxins	Wheat HS	OTA	0.8 PPB			Details
<input type="checkbox"/>	O6_0.75_H	3/15/2023 10:48 AM	Mycotoxins	Wheat HS	OTA	0.3 PPB			Details
<input type="checkbox"/>	O6_0.75_H	3/15/2023 10:48 AM	Mycotoxins	Wheat HS	OTA	0.4 PPB			Details
<input type="checkbox"/>	O6_0.75_H	3/15/2023 10:48 AM	Mycotoxins	Wheat HS	OTA	0.0 PPB			Details
<input type="checkbox"/>	O6_0.75_H	3/15/2023 10:48 AM	Mycotoxins	Wheat HS	OTA	0.9 PPB			Details




Showing all 2211 entries. 3 entries currently selected

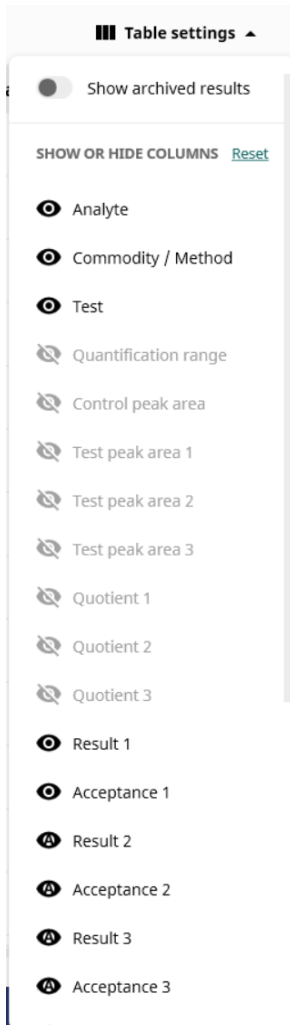
The number of currently visible test results (rows) and the number of currently selected test results (rows) are displayed in the lower left corner of the Dashboard.

7.1. Table settings

In the "Table settings" modal, you can select the columns you want to be displayed in the table on the Test results screen.

- > Selecting or deselecting the column name instantly updates the table.
- > The following columns cannot be deselected or hidden: "Checkbox", "Sample ID", "Measurement date" and "Details".
- > For columns "Result 2" and "Result 3" (provided for multiplex tests), you can select "automatic visibility", these columns will appear only if at least one record is currently visible in the test results table. Scrolling through the list can add or remove these additional two columns depending on the presence or absence of such test result.
 - The same applies for all columns specific to Dual and Triple trait tests (i.e., Acceptance, Test peak area, and Quotient).

- > The **"Eye"** icon indicates whether the column is visible , hidden  or visible only if the data is available  ("automatic visibility").
- > Column settings are saved until changed.
- > The **"Reset"** button resets the visibility of columns to default.
- > Clicking outside of the "Column settings" popup closes the modal.



You can **reorder** columns in the Test results table by dragging and dropping the column header to the desired location. Checkboxes and the "Details" columns cannot be reordered. The order is saved until changed.

ro Test results Dashboard Settings Help About

Archive Test

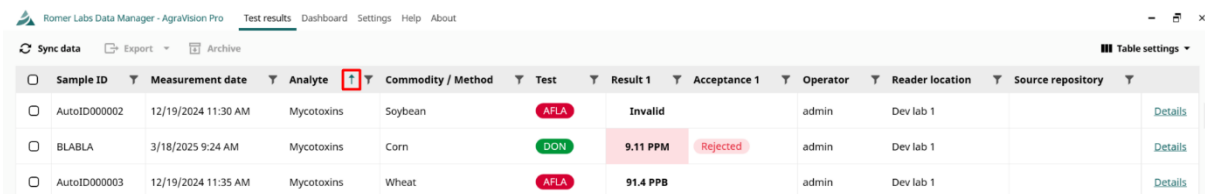
Test date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Operator	Reader location
1:30 AM	Mycotoxins	Soybean	AFLA	Invalid		admin	Dev lab 1
4 AM	Mycotoxins	Corn	DON	9.11 PPM	Rejected	admin	Dev lab 1

7.2. Sorting of test results

The Test result table can be sorted according to a single column in the table by simply selecting the header of the desired column and avoiding clicking the filter icon. You can toggle between ascending sorting, descending sorting, and no sorting. Text is sorted alphabetically, and numbers by value.

The sorting is saved until changed.

When the application is first launched, the list is sorted by default according to the Measurement date column (date and time) so that the latest test results are at the top.

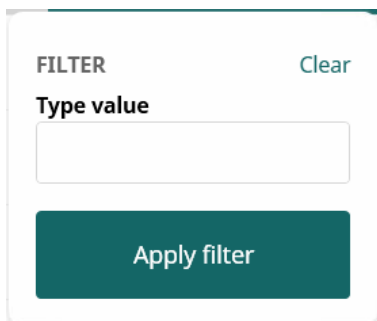


Sample ID	Measurement date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Operator	Reader location	Source repository
AutoID000002	12/19/2024 11:30 AM	Mycotoxins	Soybean	AFLA	Invalid		admin	Dev lab 1	
BLABLA	3/18/2025 9:24 AM	Mycotoxins	Corn	DON	9.11 PPM	Rejected	admin	Dev lab 1	
AutoID000003	12/19/2024 11:35 AM	Mycotoxins	Wheat	AFLA	91.4 PPB		admin	Dev lab 1	

7.3. Filtering test results

It is possible to filter or search for test results by any columns on the table except for "Curve" and "Quantification range". There are several different ways to filter or search depending on the type of the column.

Filter by string works for unique fields (e.g., "Samples", "Strip ID") and filters out and displays only the values that contain the entered string. The search string is not case sensitive.



FILTER Clear

Type value

Apply filter

Filter by list is used for a limited number of options (e.g., "Reader serial number", "Reader name", "Firmware version", "Operator", "Test", "Commodity/Method") and works as follows:

- > When a filter is not applied, all checkboxes are deselected. The "Clear" button resets the filter to this original state and closes the modal.
- > Clicking "Select all" selects or deselects all options.
- > Selecting a few options or, alternatively, clicking the "Select all" button and deselecting a few options. Pressing the "Apply filter" button will filtered out and display the selected options.

FILTER Clear

Select All

- AFLA
- Almond
- OTA
- Soy

Apply filter

Filter by list with additional search is used for "Lot ID" and works similarly to Filter by List with the additional option of reducing the list of search terms by entering a value and then selecting which ones to include. If a search term is selected from the dropdown menu before a search term is entered manually, the term selected first will remain selected even if it is not displayed after the search.

FILTER Clear

Search

Value

Select All

- 1000632218
- 1000633201
- 1000633206
- 2023020301

Apply filter

The **Filter by date** option is used for Date columns:

- > By default, all values are selected ("From" = date of the first entry, "To" = date of the last entry).
- > Adding a date "From" and "To" will filter out the entries between those two dates, including the selected dates, and display them.
- > If only the date "To" is defined, the entries from the first date to the date defined including entries on the date defined will be displayed.
- > If only the date "From" is defined, entries from and including that date up to the date of the last entry will be displayed.
- > To select one exact date, define both the date "From" and "To" as the same date.

Filter by value is used for the "Result" columns and works as follows:

- > If entering a value into "From" or "To" fields, the option for "Valid entries" is automatically selected and the option for "Invalid entries" is automatically deselected.
 - Entering values from "From" and "To" will display all values between those two values including those two values.
 - If selecting a value for "From" only, it will filter out all the values from the value set for "From" upwards.
 - If selecting only a value for "To", it will filter out all the values between 0 and the value set for "To" (including that value).
 - If entering a negative value, it will be interpreted as 0.
- > To filter out invalid results, select the option "Valid entries".

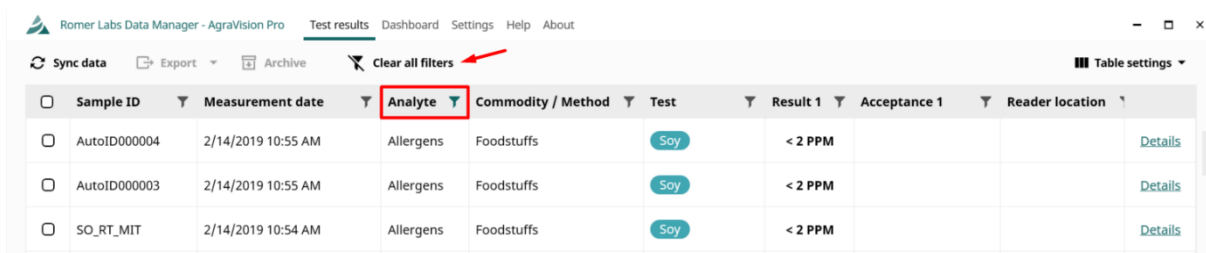
Click the "**Apply filter**" button to apply any of the above filters.

The "**Clear**" button can be used to clear a particular filter, i.e., reset a filter to its default state and close the modal.

It is possible to filter according to several columns simultaneously. Only rows/test results that adhere to the conditions of all chosen filters are displayed (e.g., filters are aggregated using AND logical rules).

Filters are saved only when navigating between screens within the application. On closing the application, all filters are reset.

The "**Clear all filters**" button appears above the table on the Dashboard only if any filter is applied. Clicking this button clears all filters on the page and the button "Clear all filters" disappears.



<input type="checkbox"/>	Sample ID	Measurement date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Reader location	
<input type="checkbox"/>	AutoID000004	2/14/2019 10:55 AM	Allergens	Foodstuffs	Soy	< 2 PPM			Details
<input type="checkbox"/>	AutoID000003	2/14/2019 10:55 AM	Allergens	Foodstuffs	Soy	< 2 PPM			Details
<input type="checkbox"/>	SO_RT_MIT	2/14/2019 10:54 AM	Allergens	Foodstuffs	Soy	< 2 PPM			Details

7.4. Soft-deleting / archiving of test results

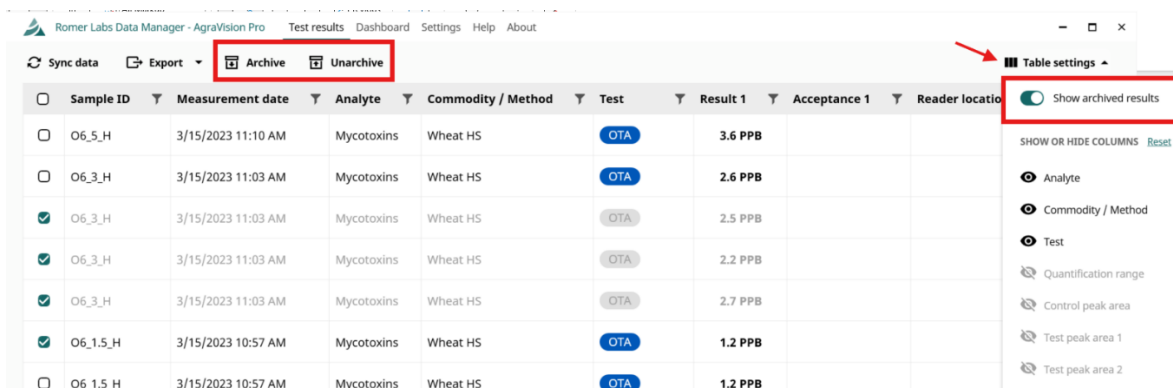
The application allows for the soft-deleting or archiving of data so that you can view and search among recent data only. The soft-deleting/archiving action does not delete test results from the database but rather simply hides them from the user interface.

To archive one or more test results, select at least one active test result and click the "Archive" button at the top of the table.

To remove one or more test results from the archive, switch on the option "Show archived results" (top right of the table), then select at least one archived test result and click the "Unarchive" button.

If both active and archived records are part of the selection, both the "Archive" and "Unarchive" buttons are enabled. If no test result is selected, both buttons are disabled.

If the option "Show archived results" is switched off, all archived test results are removed/hidden from the list. If the option is switched on, archived test results are displayed but disabled. However, you can still view and filter/search among all those data if they are displayed.



<input type="checkbox"/>	Sample ID	Measurement date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Reader location	
<input type="checkbox"/>	O6_5_H	3/15/2023 11:10 AM	Mycotoxins	Wheat HS	OTA	3.6 PPB			
<input type="checkbox"/>	O6_3_H	3/15/2023 11:03 AM	Mycotoxins	Wheat HS	OTA	2.6 PPB			
<input checked="" type="checkbox"/>	O6_3_H	3/15/2023 11:03 AM	Mycotoxins	Wheat HS	OTA	2.5 PPB			
<input checked="" type="checkbox"/>	O6_3_H	3/15/2023 11:03 AM	Mycotoxins	Wheat HS	OTA	2.2 PPB			
<input checked="" type="checkbox"/>	O6_3_H	3/15/2023 11:03 AM	Mycotoxins	Wheat HS	OTA	2.7 PPB			
<input checked="" type="checkbox"/>	O6_1.5_H	3/15/2023 10:57 AM	Mycotoxins	Wheat HS	OTA	1.2 PPB			
<input type="checkbox"/>	O6_1.5_H	3/15/2023 10:57 AM	Mycotoxins	Wheat HS	OTA	1.2 PPB			

7.5. Selection of test results

To select or deselect **a single test** result, click anywhere on its row.

To select or deselect **all listed test results at once**, click the checkbox in the header row of the Test results table. You can also select all by focusing on the table and using the Ctrl + A key combination. The test results that are filtered out do not get selected.

To select or deselect **multiple test results in a non-continuous fashion**, hold the Ctrl key and click test result rows to include/exclude them from the selection. Individual results can also be selected by clicking on the checkbox (without holding the Ctrl key).

To select **multiple test results in a continuous fashion**, select the first test result and then select the last desired test result while using the Shift key. This will select all the results between your selections.

If multiple test results are selected, any click outside the checkbox cell (or click without Ctrl or Shift), will deselect all selected test results except the one just selected/clicked.

You can select active and archived results simultaneously.

Sample ID	Measurement date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Operator	Reader location
<input type="checkbox"/> A15_AT1_5	6/27/2022 2:56 PM	Mycotoxins	Corn HS	AFLA	0.0 PPB	Accepted	admin	Details
<input type="checkbox"/> D3_1	7/15/2022 8:24 AM	Mycotoxins	Corn	DON	1.36 PPM	Warning	admin	Details
<input type="checkbox"/> 2	7/14/2022 3:21 PM	Mycotoxins	Corn HS	AFLA	2.449 PPB	Accepted	admin	Details
<input type="checkbox"/> AutoID001510	8/11/2022 3:23 PM	Mycotoxins	Wheat	T-2	0 PPB		admin	Details
<input checked="" type="checkbox"/> 200_7	7/19/2022 3:00 PM	Mycotoxins	Wheat	T-2	448 PPB		admin	Details
<input checked="" type="checkbox"/> AT1_40	7/14/2022 10:52 AM	Mycotoxins	Corn HS	AFLA	34.644 PPB	Rejected	admin	Details
<input checked="" type="checkbox"/> 0_2	7/19/2022 9:34 AM	Mycotoxins	Wheat	T-2	1 PPB		admin	Details
<input checked="" type="checkbox"/> DV8_0_11	7/26/2022 1:42 PM	Mycotoxins	Corn	DON	0.0 PPM	Accepted	admin	Details
<input checked="" type="checkbox"/> A15_AT1_40_109	6/28/2022 10:52 AM	Mycotoxins	Corn HS	AFLA	> 50 PPB	Rejected	admin	Details
<input type="checkbox"/> DV8_3	7/26/2022 1:37 PM	Mycotoxins	Corn	DON	3.1 PPM	Warning	admin	Details
<input type="checkbox"/> AV15_2_20	7/12/2022 9:17 AM	Mycotoxins	Corn HS	AFLA	18.9 PPB	Rejected	admin	Details

8. Exporting results

8.1. Export to .PDF

To export one or multiple test results to a PDF, select the test result or results, then click "Export" followed by "Export test to .PDF" or "Export as group to .PDF".

If a single test result is selected for the export, a Windows dialog box will prompt you to save the file. There, you can select a destination folder and change the default name of the report.

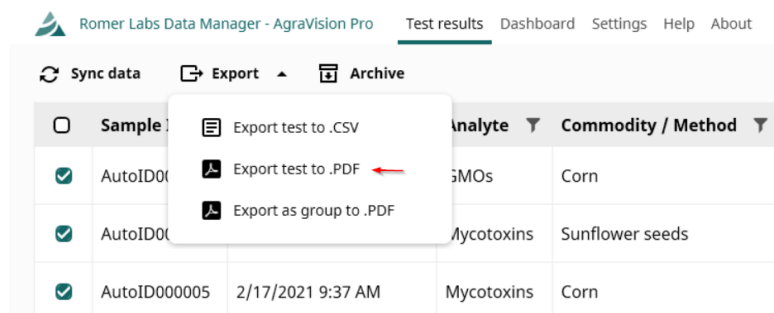
A default report name is composed of the date and time of the export to PDF, the name of the sample, the date and time when the test was performed, and the text "Summary" (yyyy-mm-dd_hh-mm-ss_Sample_<Sample name>_yyyy-mm-dd_hh-mm-ss_Summary.pdf).

A template of the PDF report is fixed and has a structure similar to that of the PDF report that can be retrieved directly from your AgraVision™ Pro reader. It includes an image of the test result, if available.

8.1.1. Export multiple results to separate PDF files

If **more than one test result is selected** when selecting the "Export test to .PDF" button, a separate PDF file is generated for each test result. A dialog box will allow you to select a destination folder, yet you cannot change the default report names.

A notification will indicate the number of PDF reports that have successfully been created. If a file or files are not successfully saved, an error message will appear. This can happen if a user does not have sufficient permission to access the selected location, if there is not enough space, or if a user tries to overwrite an existing report file that is opened or in use.

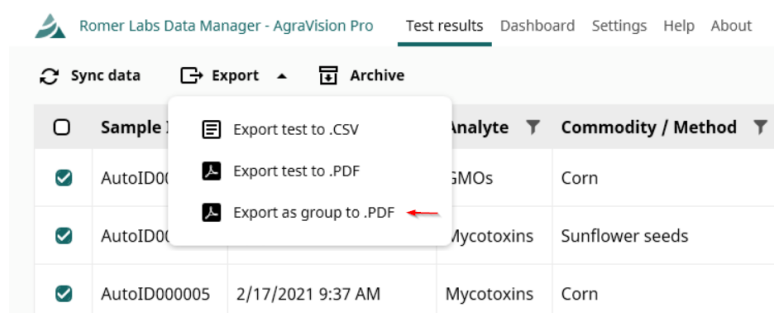


8.1.2. Export multiple results to a single PDF file

To combine multiple test results into a single PDF file, select the chosen test results, then click "Export" followed by "Export as group to .PDF".

A dialog box will allow you to select a destination folder and filename.

The generated PDF file will contain a Group summary report page, marking all the samples included in the document followed by Test result summaries for each individual test result.



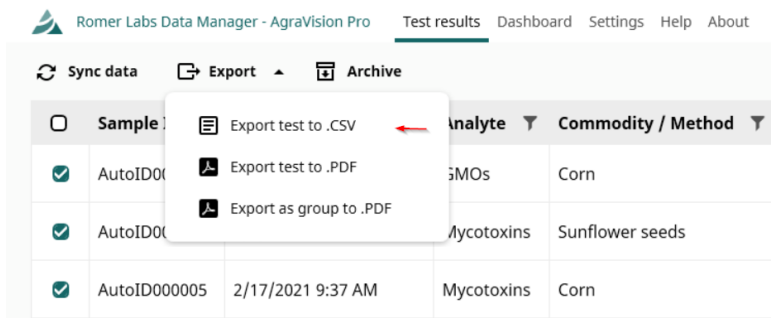
8.2. Export to .CSV

To export one or multiple test results to a single CSV file, select the test results, then click "Export" and select "Export test to .CSV".

A dialog box will prompt you to select a destination to save the CVS file and to change the default name.

The default CSV file name is composed of the date and time of the export and the text "AVPro_Export" (yyyy-mm-dd_hh-mm-ss_AVPro_Export.csv).

A notification that a CSV report has been successfully created will appear after a successful save. If the file is not successfully saved, an error message will appear. This can happen if a user does not have sufficient permissions to access the selected location, if there is not enough space, or if a user tries to overwrite an existing report file that is opened or in use.



8.2.1. CSV file structure

The CSV export file has the same structure as the .CSV file that can be retrieved directly from the AgraVision™ Pro reader. Since data may come from multiple AgraVision™ Pro readers, the CSV file created by the application may differ from that created by the reader:

Different header:

- > "Romer Labs AgraVision™ Pro"
- > Software name ("Romer Labs Data Manager") and software version
- > "Exported by" - name of the Windows user logged in during the export
- > "Date/Time" of the export

Information about the reader next to each test result:

- > Reader name
- > Reader serial number
- > Firmware version

9. Test result details

For each individual test result, it is possible to view details on a single screen by clicking the "Details" button on the right side of the table next to the test result.

Sample ID	Measurement date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Reader location	Details
A15_3	3/14/2023 1:56 PM	Mycotoxins	Corn HS	AFLA	3.5 PPB	Accepted		Details
A15_3	3/14/2023 1:57 PM	Mycotoxins	Corn	AFLA	7.2 PPB	Accepted		Details
A15_3	3/14/2023 1:56 PM	Mycotoxins	Corn	AFLA	8.4 PPB	Accepted		Details
F11	3/14/2023 1:49 PM	Mycotoxins	Corn	FUM	> 4.2 PPM			Details
F11	3/14/2023 1:49 PM	Mycotoxins	Corn	FUM	> 4.2 PPM			Details
F11	3/14/2023 1:49 PM	Mycotoxins	Corn	FUM	> 4.2 PPM			Details
F11	3/14/2023 1:49 PM	Mycotoxins	Corn	FUM	> 4.2 PPM			Details
A15_3	3/14/2023 1:42 PM	Mycotoxins	Corn HS	AFLA	3.4 PPB	Accepted		Details
A15_5	3/14/2023 2:08 PM	Mycotoxins	Corn	AFLA	4.7 PPB	Accepted		Details
O6_30_1	3/14/2023 3:48 PM	Mycotoxins	Wheat	OTA	28.3 PPB			Details
O6_30_1	3/14/2023 3:48 PM	Mycotoxins	Wheat	OTA	23.3 PPB			Details
O6_30_1	3/14/2023 3:48 PM	Mycotoxins	Wheat	OTA	25.5 PPB			Details
O6_0_H	3/14/2023 4:52 PM	Mycotoxins	Wheat HS	OTA	0.0 PPB			Details
O6_100_2	3/14/2023 4:46 PM	Mycotoxins	Wheat	OTA	> 100 PPB			Details

There you will find the following information or options:

- > Display all the available data related to this test result
- > Display the test's acceptance thresholds and result interpretation according to those thresholds (if set).
- > Display a "Set thresholds" button to act as a shortcut to Editing the acceptance thresholds.
- > Display the image of the test result pulled from the reader. This image is also used to create the PDF report.
- > Export the test result to the PDF report or to the CSV by clicking the button "Export test to .PDF" or "Export test to .CSV", respectively.
- > Return to the Dashboard screen by clicking the "Back to all test results" button.

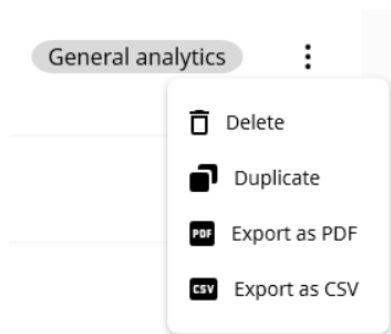


10. Dashboard for test analytics

The dashboard serves to monitor the testing activity, rejected tests and warning percentage, and other analytical parameters, either for all or individual tests.

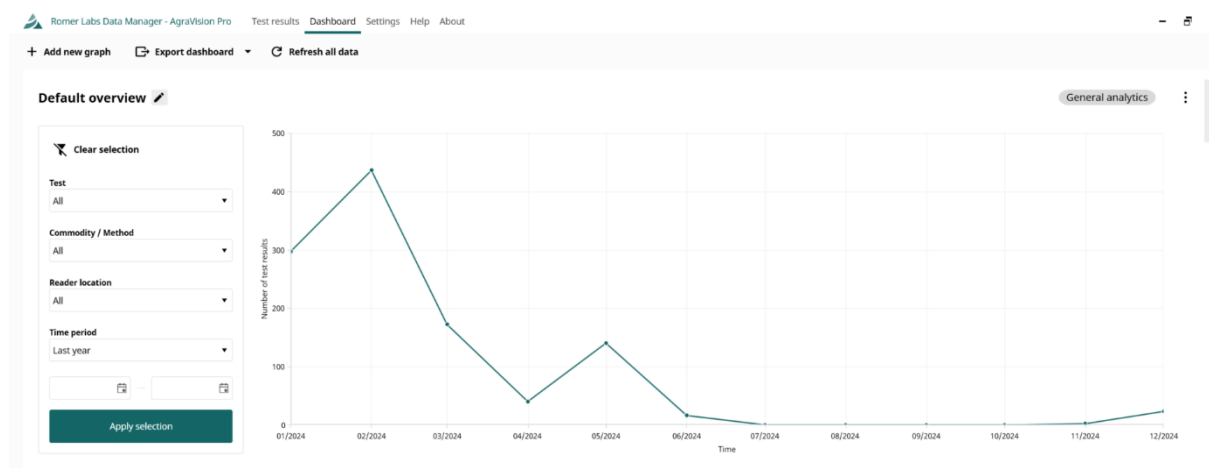
- > The initial graph is the "Default overview" general analytics graph that is displayed when the user first navigates to the Dashboard screen.
- > From the dashboard, you can view the analytics graphs, add new graphs, export the dashboard or refresh all the set graphs after importing new results.
- > Every graph has its own set of selection fields for "Test", "Commodity/Method", "Reader location", and "Time period".

- > Every graph has a kebab icon, which gives the options to delete, duplicate, or export the individual graph as a PDF or CSV file.



10.1. Default overview

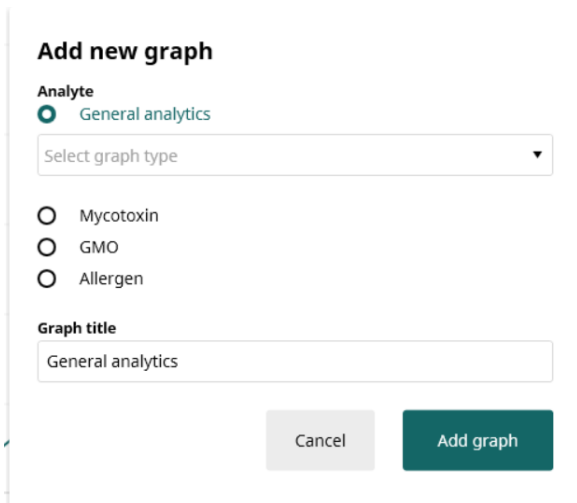
The default overview graph is a scatter plot, with the default selection fields set for all tests, all commodities/methods, all reader locations, and a default time period for last year.



10.2. Dashboard graphs settings

- > To add a new graph, press the “Add new graph” button in the tool bar of the Dashboard screen
- > A graph options modal opens to select a General analytics graph, or an analyte-specific graph (i.e., Mycotoxin, GMO or allergens).
- > When “General analytics” is selected, the following graph options are available: “Number of tests vs Time” , “Number of tests vs Test” or “Acceptance”.
- > When a “Mycotoxin”, “GMO” or “Allergen” graph type is selected, the following graph options are available: “Result vs Time”, “Number of tests vs Time” or “Number of tests vs Test”.
- > The graph title is set by the choice of the analyte and graph type but can be edited at any time before or after the graph is created.

- > The analyte selection is reflected when the graph is created, in the Test options which will be available in the selection fields.
- > The graph type selection affects which graph will be created.



Add new graph

Analyte

General analytics

Select graph type

Mycotoxin

GMO


Allergen

Graph title

General analytics

Cancel Add graph

- > For the “Test” selection field it is possible to select “All”, individual, or multiple test types. The selection list shows only the Test options that are available in the user’s result database.
- > Archived test results are not displayed on dashboard graphs.
- > For the “Commodity/Method” selection field, it is possible to select “All”, individual, or multiple Commodities/methods. The selection list shows only Commodities/Methods options that are available in the user’s result database.
- > For the “Reader location” selection field, it is possible to select “All”, individual, or multiple readers. The empty option represents results that do not have a set reader location.
- > For the “Time period” selection field, it is possible to select either a fixed period (“Last week”, “Last month”, “Last quarter”, “Last year”) or a “Custom” period via a date picker.
 - The “Last” indicates the full completed period; quarters are defined from Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec.,



 Clear all filters

Test

Commodity / Method

Reader location

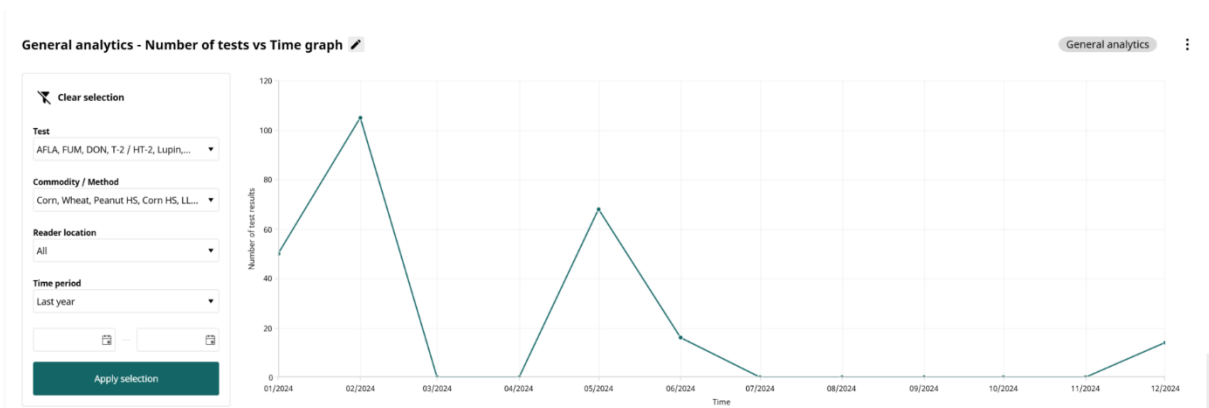
Time period

 — 

10.3. Graph type

10.3.1. Number of tests vs Time

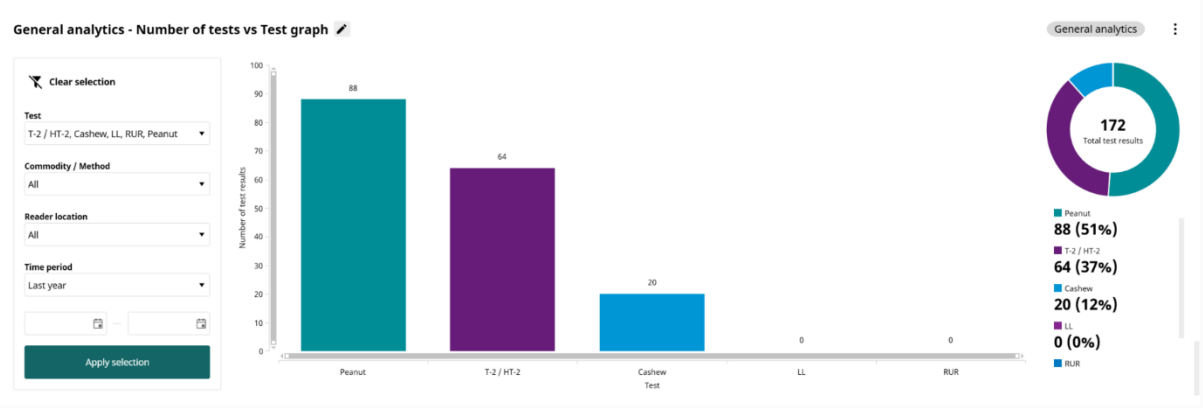
- > In this graph, the user can select either “All” or multiple test types and Commodities/Methods.
- > The graph is a line chart of the cumulative test count that fit the selection criteria.



10.3.2. Number of tests vs Test

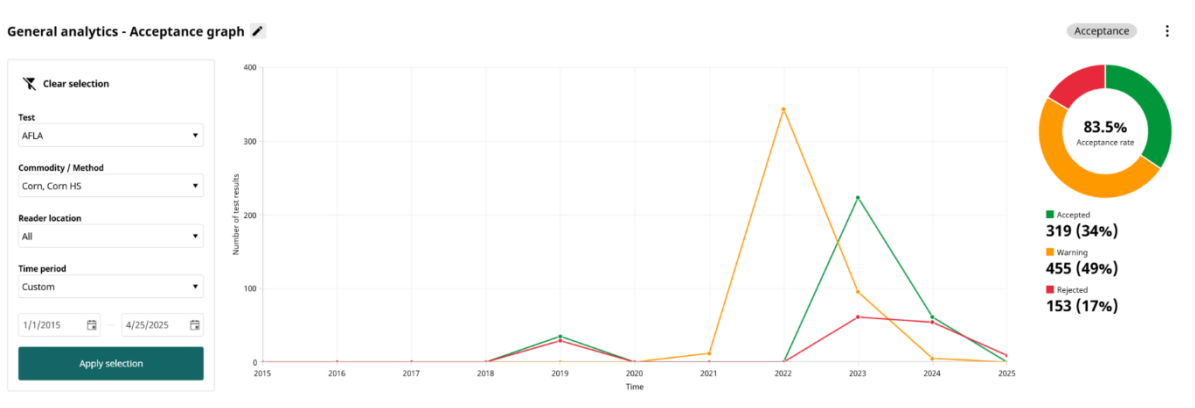
- > In this graph, the user can filter either “All” or multiple test types and either “All” or multiple Commodities/Methods.
- > It is a bar graph, with one column for each Test that fits the selection criteria.
- > On the right side of the dashboard is a donut chart representing the sum and proportion of individual bars and the charts’ legend.

- > The graph can be zoomed in and panned out.



10.3.3. Acceptance

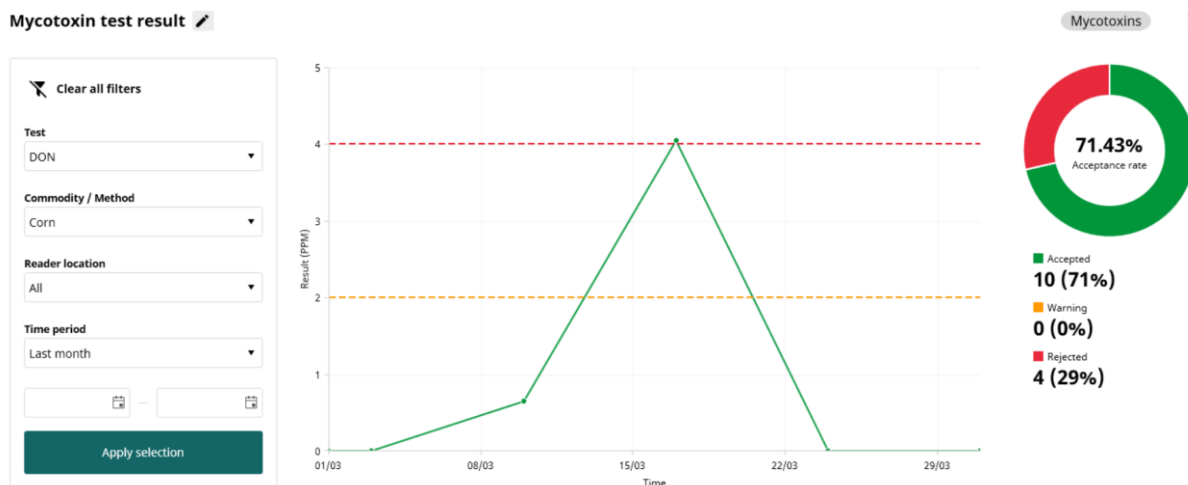
- > In this graph, the user can filter either “All” or multiple test types and either “All” or multiple Commodities/Methods.
- > It is a multiline graph, a line for “Accepted”, “Warning” and “Rejected” results is displayed that fit the selection criteria for Test + Commodity / Method combinations that have enabled acceptance thresholds.
- > On the right side is a donut chart representing the sum of individual result interpretations and the accompanying legend.



10.3.4. Result vs time

- > For this graph, only one Test and one Commodity/Method can be selected within the selection fields.
- > It is a single line graph, plotting the average test results within a selected timespan. Horizontal lines indicating the warning and rejection thresholds are displayed on the graph.

- > On the right side is a donut, representing the result interpretation distribution, and the legend for “Accepted”, “Warning”, and “Rejected” result categories. The legend also displays the counts and percentages of each result interpretation.
- > When the thresholds are not set for a given test/method combination, the horizontal threshold lines are not displayed, the donut is grey, and a warning message informs the user that .



10.4. Dashboard options

When you press the Dashboard options button, a dropdown with 3 options opens:

- > Export dashboard configuration
- > Import dashboard configuration
- > Export dashboard to PDF

It is possible to export the dashboard configuration to share it between users and laboratories. All the dashboard data is added in an export file to the selected location.

It is possible to import the dashboard configuration. When importing the dashboard, any existing dashboard graphs are removed, and the new configuration is loaded.

When exporting the dashboard to PDF, the whole page is exported to PDF and paginated, in contrast to individual graphs being exported from the (...) menu.

11. Settings

The Settings section in the application’s header row, contains a navigation panel on the left that gives access to the following setting categories:

- > Readers
- > Acceptance thresholds

- > LIMS
- > Data sharing
- > Report
- > Language
- > Backup

Reader name	Serial number	Status	Last QC date	Location	Last sync	Firmware version
Zelda	24-22790	Available	10/25/2024	Dev room 1	4/22/2025 4:19 PM	1.0.271 Update
Zoro	24-16959	Available	3/25/2025	Dev lab 2	4/22/2025 4:19 PM	1.0.271 Update
	20-00002	Virtual			Sync	1.0.268 Update

11.1. Readers settings

You can navigate to the Readers settings screen by clicking the **"Readers"** button in the side navigation panel of Settings.

From the Readers screen, you can manage all registered AgraVision™ Pro readers.

Reader name	Serial number	Status	Last QC date	Location	Last sync	Firmware version
Zelda	24-22790	Available	10/25/2024	Dev lab 1	4/29/2025 12:22 PM	1.0.271 Update
Zoro	24-16959	Available	3/25/2025	Dev lab 2	4/29/2025 12:22 PM	1.0.271 Update
	23-21704	Virtual			Sync	1.0.268 Update
P013	20-00013	Virtual			Sync	1.0.259 Update
P001	20-00001	Virtual			Sync	1.0.259 Update

Certain settings for all connected readers can be managed from this screen:

- > **Check the availability of all registered readers** by clicking "Check all device availability" at the top of the table.
- > **Add/edit "Reader name"** of an individual reader by clicking the button "Edit" and then defining the desired name. Save the new or edited name by pressing the "Confirm" button or by clicking outside the text field. To cancel the operation, press the "Cancel" button on the modal window.
- > **Update the firmware** for an individual reader by clicking "Update" and then selecting a new firmware file from the dialog box. This action will upload the new firmware to the selected reader. During the file upload to the reader, a progress bar is displayed indicating the progress of the file upload that closes automatically, when the upload finishes. The update needs to be confirmed manually on the reader touchscreen and the reader needs to be rebooted. The latest firmware version installed on the reader is displayed for each reader on the Readers screen.

- > **Sync** with individual reader by clicking the "Sync" button. The button changes to display "Syncing...", and the option cancel the sync appears. The date and time of the last sync is displayed for each reader.
- > **Disable** an individual reader by clicking the "Disable" button for the syncing and firmware update for that reader to be disabled.
- > **Enable** an individual reader that has previously been disabled by clicking the "Enable" button. Syncing and firmware updates for that reader will now resume.
- > The **"Show disabled readers"** toggle allows you to hide or show all disabled readers.

The screenshot shows the 'Readers' section of the Romer Labs Data Manager. A table lists several readers with columns for Reader name, Serial number, Status, Last QC date, Location, Last sync, and Firmware version. The 'Status' column shows 'Disabled', 'Available', and 'Virtual' states. Action buttons like 'Enable', 'Disable', and 'Edit' are visible for each reader. A toggle for 'Show disabled readers' is also present.

Reader name	Serial number	Status	Last QC date	Location	Last sync	Firmware version		
Zelida	24-22790	Disabled	10/25/2024	Dev lab 1	4/29/2025 12:27 PM	1.0.271 Update	Enable	Edit
Zoro	24-16959	Available	3/25/2025	Dev lab 2	4/29/2025 12:27 PM	1.0.271 Update	Disable	Edit
	23-21704	Virtual				1.0.268 Update	Disable	Edit
P013	20-00013	Virtual				1.0.259 Update	Disable	Edit
P001	20-00001	Virtual				1.0.259 Update	Disable	Edit

To return back to the Test results screen, click the **"Test results"** button in the header of the screen button.

11.1.1. Reader statuses

The Data Manager will display one of the following statuses for each Reader:

- > **Checking...:** Checking for the availability of the reader.
- > **Available:** The reader has been registered and is available on the network. When this status is displayed, the application can log into the reader and carry out automatic syncing.
- > **Unavailable:** The reader has been registered but is currently not available on the network. When this status is displayed, syncing and firmware updates are disabled.
- > **Password required:** The reader has been registered and is available on the network but the application cannot log onto it because it is password protected. A new password can be entered into the popup that opens after clicking the "Enter password" button. Syncing and firmware updates are disabled until the correct password is entered.
- > **Disabled:** A reader has been registered but it has been disabled by the user. Syncing as well as any other interaction with this reader is currently disabled.
- > **Virtual:** If test result data has been collected from a shared repository that contains data from readers that have not been registered on this Data manager, the reader shall be identified from test results and put on the list of Readers as virtual readers.

The application tries to connect to all enabled readers periodically and automatically checks whether the registered readers are available. The application also searches for any new readers.

11.2. Acceptance thresholds

You can select the acceptance thresholds settings screen by clicking the "**Acceptance thresholds**" button from the Settings side navigation panel.

From the Acceptance thresholds screen, you can manage all Acceptance thresholds for the Tests currently available in database of the application.

From the top row, you have the following commands:

- > **Add new acceptance threshold:** You can press this button to add an acceptance threshold for a Test + Commodity / Method combination that is not currently present in the result database. When you press this button a modal opens, where you can select the Analyte, Test, and Commodity/Method. The last field works as a text filter, into which you need to enter at least 3 letters before a filtered list is displayed. In the next step, the **acceptance thresholds** can be set for the selected values.

- > **Export:** It is possible to export the list of enabled Acceptance thresholds in a password protected zip file and selecting the destination file location. This allows sharing acceptance threshold settings within an organization.
- > **Import:** It is possible to import the acceptance thresholds list with all values for individual Test + Commodity / Method combinations from one Data manager instance to another. When importing, this file will only modify test thresholds, not any other information.

Below the tool bar of the Acceptance thresholds list screen is a table/list of acceptance thresholds. The elements are displayed in the following columns:

Analyte, Test, Commodity/Method, Acceptance thresholds, Last Modified, an "Edit" button column and a column for the "Enable"/"Disable" button.

- > The table can be sorted and filtered in the same way as the results table. By default, thresholds that are enabled are listed at the top of the list.

- > When a new test result (Test + Commodity / Method combination) is recognized by the app, the acceptance threshold is added on the list, but is disabled by default.
- > **Edit:** when pressed, an Edit acceptance thresholds popup opens.
 - Qualitative allergen tests do not have editable acceptance thresholds. They can only be Enabled or Disabled with the thresholds set.
- > **Enable/Disable:** When Enabled, results (both archived and unarchived) are checked against the threshold and interpreted on the Test results screen. When "Enable" is pressed for a Test + Commodity / Method combination without set values, the **Edit acceptance thresholds** window opens. When Disabled, results will not be interpreted based on the acceptance threshold.

11.2.1. Edit acceptance thresholds


The Edit acceptance thresholds modal identifies the Test + Commodity / Method combination and you can define the input fields for a warning threshold and a rejection threshold.

- > The rejection threshold is mandatory for the interpretation of the result values.
- > The quantification range is displayed for the selected Test + Commodity / Method combination and it is colored according to the warning and rejection thresholds.

Edit acceptance thresholds

Analyte : **MTX** Test : **DON** Commodity/Method : **Corn**

Warning threshold (optional) PPM Rejection threshold PPM

First range:
 0  4.2

■ Accepted ■ Warning ■ Rejected

11.3. LIMS integration

You can navigate to the LIMS settings screen by clicking the "**LIMS**" button from the Settings side panel.

The application offers an automatic integration with LIMS by exporting a LIMS file with test results data to a specified location each time new data is available and synced to the application.

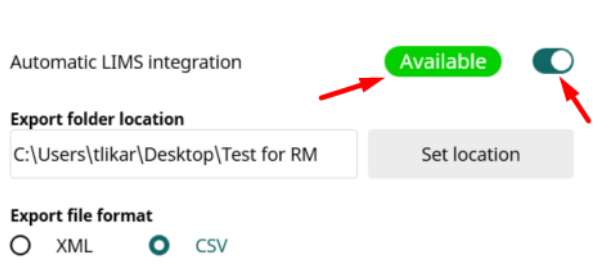
The name of the file is always "LIMS_Export.csv" or "LIMS_Export.xml", depending on the type of file exported, and is overwritten each time it is exported and saved to the selected location.

The LIMS data export file only exports unarchived test results.

It is up to the LIMS software to look up and identify which results are new in the exported file. The import and mapping of specific data can be configured in the LIMS software.

In the LIMS settings, you can:

- > **Switch the automatic export** of the LIMS export file to the selected location **ON** and **OFF**. By default, this option is switched ON and enabled. All unarchived test results are automatically exported every time a new set of test results is added to the dashboard.
- > **A status tag** (Available, Unavailable, or Disabled) next to the exporting toggle informs the user of the selected export file location's status.
- > **Select location/destination folder** for the LIMS export file by clicking the "**Set location**" button and selecting the location in the dialog box "Select folder." After selecting the new path, it is displayed in the text field.
 - The default path is C:\ProgramData\RomerLabs\RomerLabsDataManager\LIMS_export.
- > **Select CSV or XML file format** using a radio button. The CSV file format is selected by default.



NOTE: If LIMS integration is switched ON and there is no path defined or the specified path does not exist, an error message is displayed below the path field and LIMS integration is **disabled**.

- > **Included data:** In this section, the data that is included in the LIMS export file is selected.
 - The fields with disabled checkboxes are mandatory and cannot be excluded from the export file.
 - The order of the columns in the export can be set using the up and down arrows next to each title.

Included data

Apply columns from test results

<input checked="" type="checkbox"/> Sample ID	^	▼
<input checked="" type="checkbox"/> Result 1	^	▼
<input checked="" type="checkbox"/> Result 2	^	▼
<input checked="" type="checkbox"/> Result 3	^	▼
<input checked="" type="checkbox"/> Analyte	^	▼
<input checked="" type="checkbox"/> Test	^	▼
<input checked="" type="checkbox"/> Commodity / Method	^	▼
<input checked="" type="checkbox"/> Measurement date	^	▼
<input checked="" type="checkbox"/> Quantification range	^	▼
<input type="checkbox"/> Acceptance threshold 1	^	▼

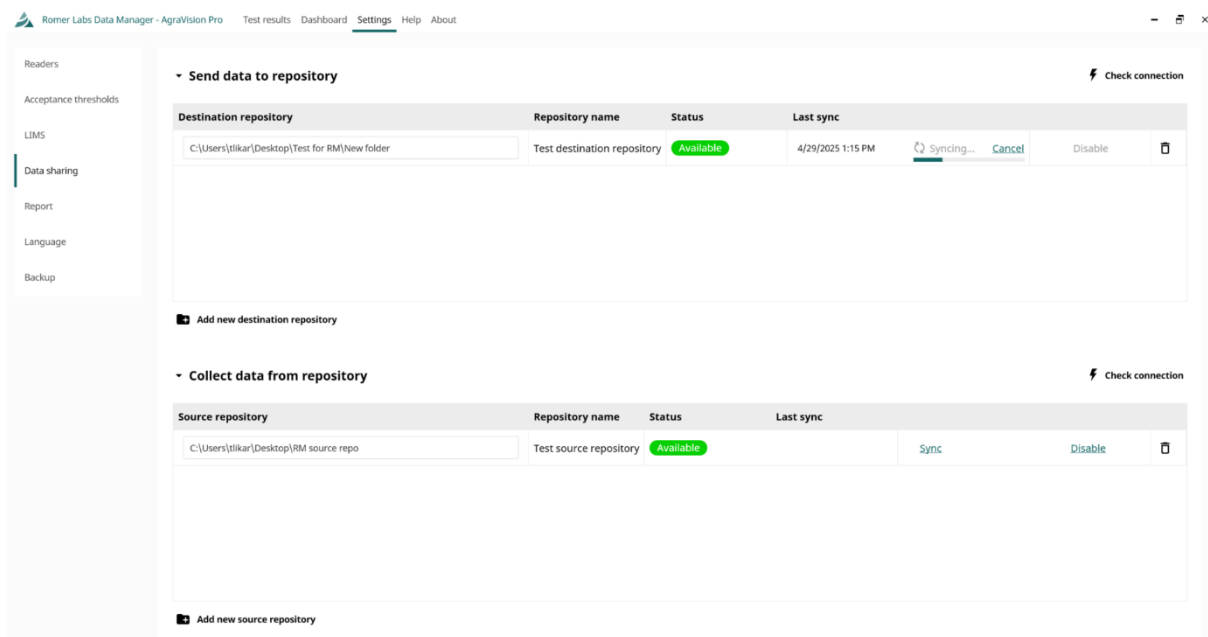
11.4. Data sharing

You can select the data sharing settings screen by clicking the "**Data sharing**" button from the settings side panel.

From this screen, you can manage all data sharing options for connecting your database to external repositories.

The screen is split into 2 sections, mirroring each other.

- > The top section is titled **Send data to repository**: It has a table of destination repositories with the following columns: **Destination repository**, Repository name, Status, Last sync, and columns for the Sync check and Enable/Disable options.
- > There is a button for "**Add a new destination repository**", which opens a window to setup the repository.
- > The bottom section is titled **Collect data from repository**: It has the same format as the table above, except the first column is titled **Source repository**.
- > The function button is "**Add new source repository**".



When you press the **Add destination/source repository** button, a window opens.

- > Set the path to the repository and set an optional access password.
- > If a repository does not exist in the specified location, it will be created. In this case a **Repository name** will be required.
- > When a repository is set, it is added to the list of destination or source repositories.
- > You can force a synchronization of a selected repository by pressing the “Sync” button.
- > You can Enable or Disable the automatic synchronization of a repository by pressing the Disable/Enable button.
- > You can remove a repository by pressing the bin icon button.

11.4.1. Linking Shared Folders to Repositories

You can link shared folders to repositories using two methods, depending on whether you are sending or collecting data. These links define the physical or cloud storage locations where data will be exchanged.

Option 1: Define a Destination Repository

To define a destination repository, follow these steps:

- Create a dedicated folder on your server or cloud storage service (e.g., OneDrive, Google Drive, etc.) using your computer.
- Ensure you have the necessary access rights (read/write) to the folder.
- Once the folder is created and named, copy the full link (path or URL) to this folder.
- Click the “Add new destination repository” button in the *Send data to repository* section.

- Paste the copied folder link into the path field of the setup window.
- If the repository requires an access password, enter it in the designated field.
- If the folder does not already contain a repository, one will be created automatically. You will be prompted to enter a Repository Name.

Option 2: Define a Source Repository

To define a source repository, follow these steps:

- If you receive access to a shared folder, ensure it is added to your local or network folder structure so that it can be accessed from your system.
- Ensure you have the necessary access rights (read/write) to the folder.
- Once the folder is visible in your file structure, copy the full link (path or URL) to the folder.
- Click the "Add new source repository" button in the *Collect data from repository* section.
- Paste the copied folder link into the path field of the setup window.
- Enter the folder password if required. If the password is unknown, contact the creator or owner of the repository.

Once linked, the folder will appear in the corresponding repository table, where you can manage synchronization and enable/disable options as described above.


11.5. Report settings

In the report settings, you can choose the image (e.g., logo) that will be added to any PDF report header.

- > The image can be in a .JPEG, .PNG, or .GIF format.

PDF report settings

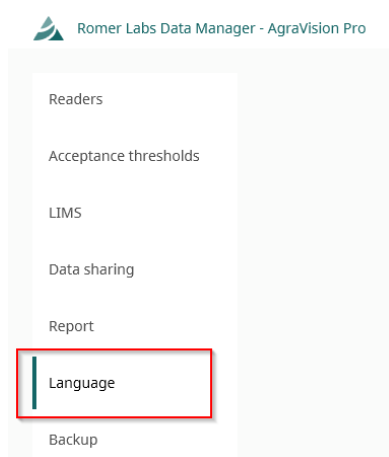
Report logo
Please upload your logo image. Image will be automatically scaled to the container's dimensions and will be used for all the reports.



Reset to default Upload image

11.6. Language settings

You can navigate to the Language settings screen by clicking the "**Language**" button in Settings side navigation.



Under these settings, you can select the system language for the Data Manager. The following languages are supported: English, German, Portuguese, Chinese, French, Spanish, Russian, and Hungarian.



The language change immediately takes effect after selection.

11.7. Backup

The application can automatically backup all test results. The settings configurations are not backed up.

Backup can be set up in the **Backup** subsection of the Settings screen. The settings to be configured are the following:

- > A folder destination for the backup file

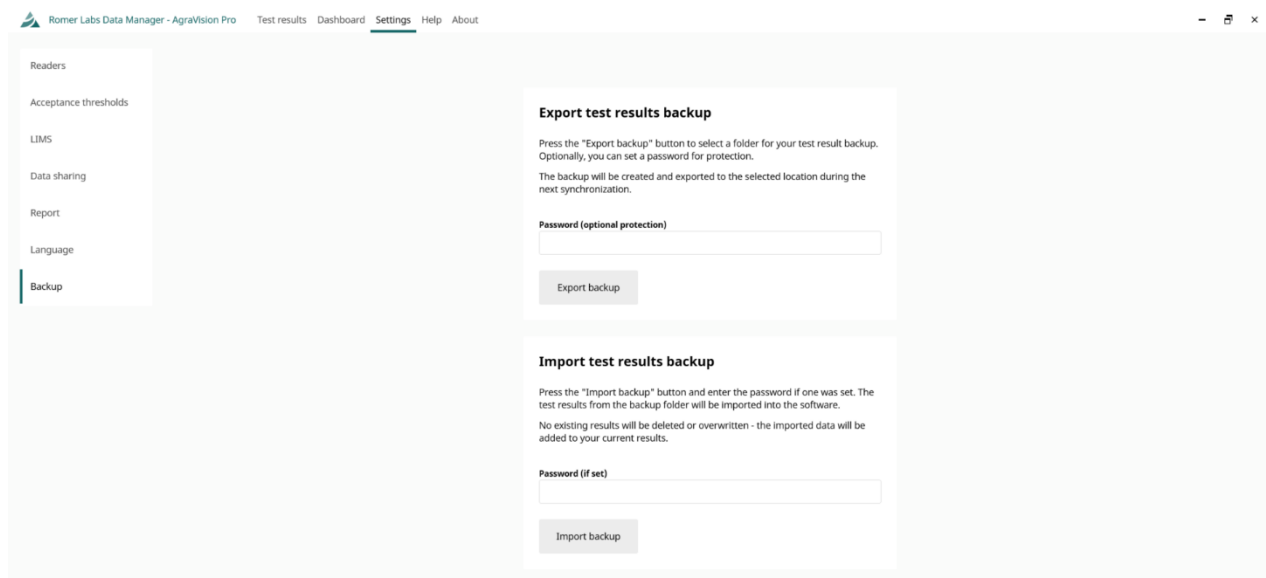
> Password for accessing the backup (Optional)

The backup will be created and exported to the selected location during the next result synchronization cycle.

Once the backup file is generated, a toast notification will inform the user that backup is complete.

To restore data from the backup folder, press the "Import backup file" button and the required password (if set). The test results from the backup folder will be imported into the software and a toast notification will let the user know that the results have been imported.

No existing results will be deleted or overwritten – the imported data will be added to the user's current results.



12. User manual, About

An electronic version of this user manual can be accessed from the top bar of the application ("**Help**" button) as a PDF document.

The "About" information can be accessed from the top bar of the application ("**About**" button). Here, you can find information about the software version, and the copyright, the year of software release, the end user license agreement, the list of third-party software with licenses as well as a link to Customer resources on the Romer Labs website.

Sample ID	Measurement date	Analyte	Commodity / Method	Test	Result 1	Acceptance 1	Reader location	Details
BN1	3/18/2025 4:12 PM	Mycotoxins	Corn	DON	8.89 PPM		Dev lab 2	Details
BN1	3/18/2025 4:12 PM	Mycotoxins	Corn	DON	0.95 PPM		Dev lab 2	Details

13. Application logs

The application logs errors and warnings into the Windows Event Log and keeps a more detailed text-based log with information in the installation directory. The default location is:

- > C:\Users\[CurrentUser]\AppData\Local\Programs\RomerLabs\RomerLabsDataManager\logs

Text-based logs are grouped into files by day and deleted after one month. The application does not save any sensitive data into its own log or the Windows Event Log.

14. Date format

The system uses the date and time format currently used in Windows. The UTC time format is used for displaying and storing information about time within the system.

15. Update notifications

At the application start, the application automatically checks for available:

- > Newer AvPro reader firmware version,
- > Newer Romer Labs Data Manager version.

If a newer firmware and/or application versions are available, a notification about available updates is displayed. A message in the notification adapts based on the available updates; for example, if only firmware update is available, the following notification is displayed:

Available update



A firmware update for reader with serial number {serial number 1}, {serial number 2}, ... is available. Do you wish to download it?

No

Yes

To download the newer reader firmware version and/or installer for the newer application version:

- > Select the “Yes” button in the notification,

Select the corresponding link(s) (i.e. for firmware and/or application) in the opened web page. You can then update:

- > The firmware on the reader as described in chapter 10,
- > The application as described in chapter 3.