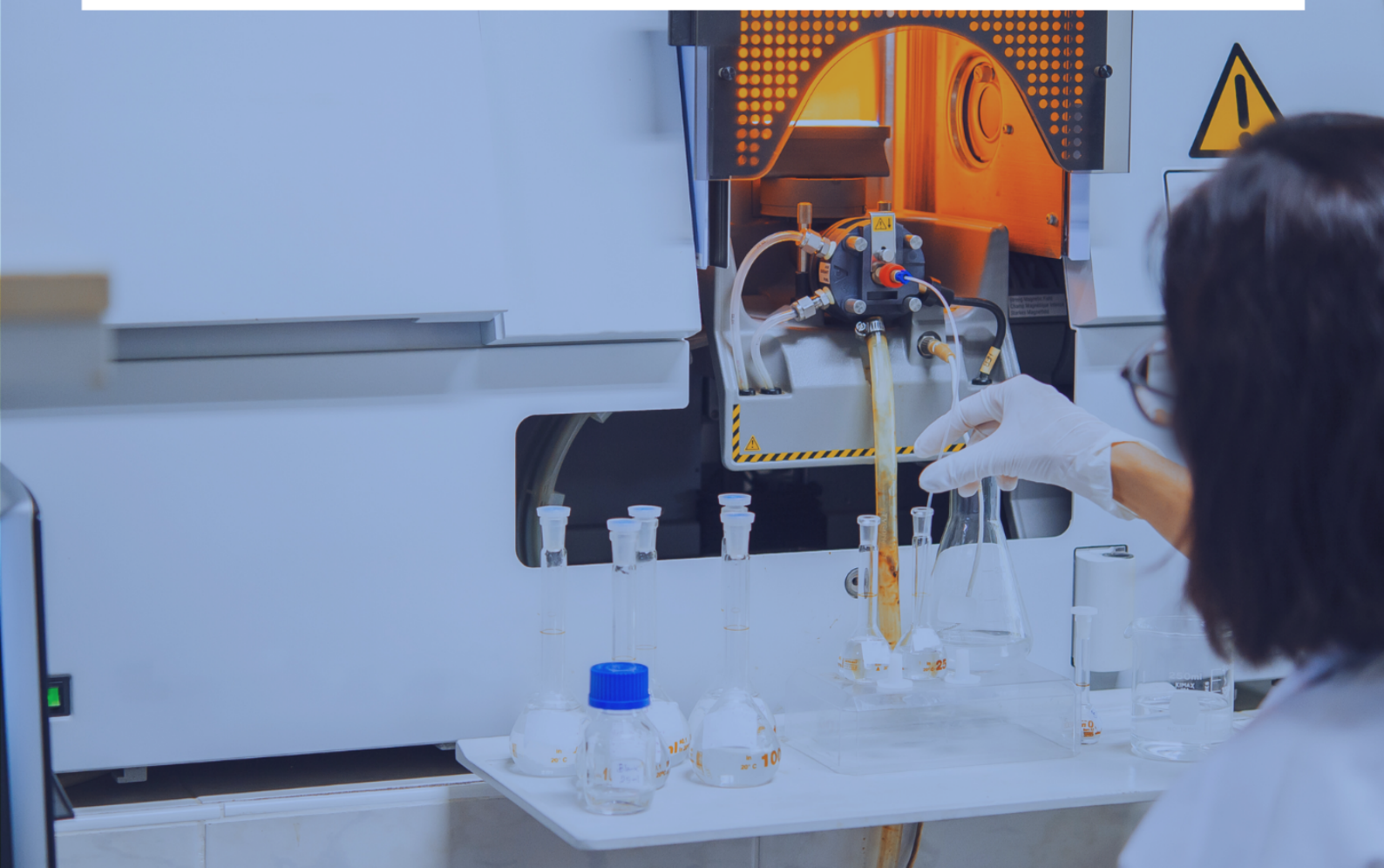


CCLAS 6 2025-r2

Release Notes



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Contents

- Introduction 4
- CCLAS 6 2025-r2 5
 - Configuration 5
 - Registration 6
 - Workbook 8
 - Miscellaneous 10
 - Defect Fixes 10

Introduction

CCLAS 6 is a laboratory information management system (LIMS) solution for mining and commercial laboratories that automates processes to deliver quality results, reliability and efficiency. This assists to optimise costs and maximise sample throughput.

CCLAS 6 has a simple and intuitive web interface that can be easily personalised by end users. User-friendly charts, icons and colour-coding put key data at the forefront, enabling lab operators and managers to readily see issues that require immediate attention. CCLAS 6 supports different industrial sectors and laboratory sizes. CCLAS 6 caters for advanced registration, analysis, reporting and invoicing functionality.

Further Information

This document includes release notes for CCLAS 6 2025-r2.

Release notes for other versions of CCLAS 6 and other support information are available via the Support Portal <https://www.dataminesoftware.com/support/>.

For more further information on the product refer to the CCLAS 6 online help.

CCLAS 6 2025-r2

Configuration

CCLAS-6396 Support more than 20 Languages for Environment and for Users

Case Number: 203972

The limit on the number of supported languages for storing alternative descriptions has been removed to better support global reporting requirements. Laboratories and users can now define which specific languages are relevant to them, making it easier to manage and enter multilingual data without being restricted by a fixed global limit.

CCLAS-7573 AUTO_COMPLETE_PREP description entry needs to be updated with completion information

Due to the MISC scheme preference (**AUTO_CASCADE_MISC**), the definition of the **AUTO_COMPLETE_PREP** description in **CCPREF** needs to be redefined to clearly clarify what the preference does prior to the user checking the definition in the online help. The LIMS Administrator needs to change the current description to "Allows prep schemes to complete when a sample is initially started by an ana or ana prep scheme."

Note: This is not an automatic change in this new release as the preference already exists in the current release. The description change needs to be manually changed in the Application Preference by your LIMS Administrator. If the preference exists in Org, Lab, User scope, etc, then this description needs to be changed for all these scopes.

The **AUTO_COMPLETE_PREP** definition in the online help appendix has also been restated to simplify the definition. There has been no change in functionality to the preference, just making the definitions obvious due to the addition of other preferences.

CCLAS-7056 Revise Description for AUTO_COMPLETE_MISC Preference

Updated description of the preference to make the expectations of the status of the miscellaneous scheme clear with respect to the sample it is registered to.

CCLAS-3732 Cannot select a User in MSESEC that isn't already assigned to a Role

Case Number: 33450

An issue has been raised that a new user cannot be assigned to a role when using **MSESEC**. This is because **MSESEC** requires that a role has already been assigned to a user in **CCUSER** prior to adding on more roles collectively in **MSESEC**. To

remedy this issue, a new preference-driven feature has been added to automatically assign a default role or roles to users when they are created. When the **DEFAULT_ROLES_FOR_NEW_USERS** preference is defined, active, and valid, new users are automatically assigned the specified roles—provided those roles and their lab code scopes exist and licence limits are not exceeded. The default role can be very basic (only log-in privileges for example), and this would then allow the LIMS role administrator to use MSESEC to assign roles to the user. The preference can also be used to assign multiple roles as a default, which means that as soon as a user is created, it already inherits the roles defined in the preference.

Registration

CCLAS-7273 Ensure that no SPK/REP/DUP samples remain without links to UNK Samples (not Labbatched)

Case Number: 218030

When removing a scheme from a Production UNK or DUP sample, users are now given the option to also remove the scheme from any linked REP/DUP/SPK QC samples using a new service called *Remove Scheme with Related QC*. If a linked QC sample has no remaining schemes after removal, it can also be deleted—provided the user has chosen to apply these deletions in the confirmation dialog. This was designed to work for jobs that are not lab batched yet.

Note: It is strongly recommended that the Remove Scheme with Related QC be used instead of Remove Scheme. The existing Remove Scheme functions as previous but can be removed from the form via personalization from your system administrator.

CCLAS-6904 Allow Job Locks to be ignored if locked to the current User Code

Job locks were originally designed to prevent all concurrent access, but this also prevented users from reopening their own locked jobs across Workbook or Job Registration. New preferences **WORKBOOK_IGNORE_CURRENT_USER_JOB_LOCKS** and **REGISTRATION_IGNORE_CURRENT_USER_JOB_LOCKS** can be set to True to allow the current user to access their own locked jobs while continuing to restrict access by other users.

CCLAS-6070 Validate the selection of Upper/Lower Sample Template on Submit of CCREGNSMPLSCHANA Update Form

Case Number: 96737

Validation was not previously performed when submitting Upper and Lower Sample Template Codes on the SSA Update Form, which could result in invalid or inactive codes being saved. In this release, these sample template codes are validated on

submission to ensure they are active, approved, correctly classified as sample templates and correct in scope before the record is persisted otherwise, a validation error will occur.

CCLAS-5350 Multi-Sample Tests analyte grid to allow update of Lower/Upper Template Sample Code

Case Number: 96737

The sample scheme analyte grid and the multi-sample scheme analyte grid now has column properties for Lower Sample Template Code and Upper Sample Template code. These are updatable drop down types of fields that the user can opt for to quickly select the lower or upper template for the SSA that failed the detection limits set in the primary scheme. In this release, these sample template codes are validated on submission to ensure they are active, approved, correctly classified as sample templates and correct in scope before the record is persisted otherwise, a validation error will occur.

CCLAS-5346 Analyte grid of scheme version to allow update of Lower/Upper Template Sample Code

Case Number: 96737

An enhancement has been made to ensure that when **Upper and Lower Sample Template Codes** are entered or amended for *Scheme Version Analytes*, they are now validated upon submission of the Scheme Version Update form. This ensures only active, approved template samples are accepted, maintaining the integrity of Check Analysis triggers and preventing invalid template references from being saved.

CCLAS-6774 When Production Sample is marked as LNR, the LB Sample WFS need to be marked as LNR (even though the SS and SSA in the LB view are marked as LNR)

The original requirement for Listed but Not Received (LNR) was to mark the production sample only. The samples marked with LNR was designed to be hidden from the batching program by default as by definition, the user cannot batch what has not been received. A change has been requested that if there is a change where a production sample that has been batched can be marked as LNR and that status assigned will also be pushed to the batched sample. This has been implemented in this release. This change will mean that a batch job may have LNR samples inherited from the production samples. The LNR status across Production and LabBatch Samples is consistent.

CCLAS-7084 Allow Job Notes to be displayed/edited in Report Request (primary job only)

Case Number: 222778

A new *Primary Job Notes* tab has been added to the **Report Request Update** application. This tab contains all the notes information present on the job level, allowing users to view and modify the job notes directly from the Report Request. Changes made to Job Notes here are saved to the original Job, ensuring that updates are reflected across all related report requests and not limited to a single report request. Should a report request contain more than one job, then the first job (on the row) is considered as the primary and the notes of the production job for that primary is reflected on the report request.

Workbook

CCLAS-7274 Prevent some workbook users from entering or pasting in a Formula in cell(s)

Case Number: 225340

Previously, users use *Workbook* as a draft sheet and manually enter or paste formulas and use it as a calculator, without realising that if *Workbook* finds formulas in a cell, then if overarching preferences were already in place to protect real formulas from being edited were active, then these manually entered formulas would be protected as well on submit, causing these cells to lock and blocking the same user from undoing their draft formulas. It would need a higher level user to undo. A new preference, **ALLOW_ENTRY_PASTE_FORMULAS**, now ensures that users cannot write one-off formulas into workbook. Only users with explicit permission can enter or paste formulas, preventing unintended data entry issues while maintaining a consistent user experience across all workbooks. This preference is recommended to be set to Role or User level.

Note: This preference compliments **ALLOW_UNLOCK_FORMULAS** and **AUTO_LOCK_FORMULAS** preferences. The **ALLOW_ENTRY_PASTE_FORMULAS** does not allow for the entry or modification of formulas. It is worth mentioning that if the user has the rights to unlock formulas and has rights to update workbook, then by design, the user can delete formulas. Make sure your system administrator is familiar of these combinations. Make sure to Clear Cache in **CCPREF** if there are changes to the preference for the value to be applied.

CCLAS-6043 Have an efficient mechanism to Open Workbook for (initial received and Analytical) Weight capture (initial received weights and analytical weights)

Operators performing data capture (weighing for example) were previously required to perform multiple manual steps to search for the Job, select the capture mode and open the correct Scheme in *Workbook*, reducing efficiency during routine weighing tasks. A streamlined mechanism has now been introduced that allows users to quickly open the appropriate Workbook page by entering or

scanning the Job Name and fixed Scheme Code, significantly reducing keystrokes and improving workflow efficiency for both initial and analytical sample weighing. This is achieved by making use of two preferences: **WORKBOOK_OPEN_SCHEME_GROUPS** and **WORKBOOK_OPEN_DATA_MODE**. **WORKBOOK_OPEN_SCHEME_GROUPS** defaults a scheme group to the new scheme group field in CCWKOP which effectively hides schemes that are not part of the group in the Scheme Summary grid. **WORKBOOK_OPEN_DATA_MODE** value, defaults the Data Mode field in CCWKOP to the appropriate mode that the user is interested in. If the preference is not used, then current functionality works as previous.

CCLAS-6984 Ensure that CCWKOP is available on the core Menu ('Analysis' node) [CORE DATA ONLY]

The core menu for the Analysis group *Workbook Open* should point to the **CCWKOP** application instead of **CCWKBK**.

This will mean for those users who already have the job name available (and don't need to search for it), that they don't need to go through *Search Workbook* (**CCWKBK**). They can opt to use *Workbook Open* (**CCWKOP**) from the Analysis menu and enter/paste/scan the job name directly in the *Job Name* field. This saves the user the task of searching for the job in Workbook and open.

Note: Customers may need to change their custom menus to include CCWKOP, if they have copied from the core menus and maintain independently.

CCLAS-6335 Expose MORE Workbook Analyte properties in the Workbook Lower Panel

Case Number: 205358

An enhancement has been made to allow more Workbook Analyte properties to be exposed in the Workbook Lower Panel that can be displayed through personalisation. LIMS Managers can now configure the lower panel to display and optionally edit additional analyte properties, enabling more effective debugging of Workbook scripts, formulas, and calculations. Read-only properties remain protected, and any attempted changes to these will be ignored, ensuring integrity of the underlying data.

Search the CCLAS 6 help for **CCWKOPPANE—Workbook Open Panel editable properties** for more information on the available properties.

Miscellaneous

CCLAS-7540 Electron - Change the default Support Portal Web URL on the Help About Page

With the new Electron Desktop Application (1.2.8 or higher), the new support portal now points to <https://support.dataminesoftware.com/login>.

CCLAS-7412 Change the default Support Portal Web URL on the Help About Page

With the introduction to the new Datamine Customer Portal, the CCLAS 6 About page now points to <https://support.dataminesoftware.com/login>.

CCLAS-7408 Change the default Support Portal Web URL on the main CCLAS Menu

With the launching of the new Datamine Customer Support Portal, the main **CCLAS** menu (menu>Links>Datamine Support) has been updated to provide a quick link to the portal (<https://support.dataminesoftware.com>).

Note: Customers will need to change their custom menus to point to the new link if they have copied from the core menus and maintain independently.

Defect Fixes

CCLAS-7422 Cannot search for Invoices with Biofield Criteria (SQL query when more than 1000 Jobs are included in an IN statement is generating an error on Invoice Search service)

Case Number: 229880

An error occurred when users filtered invoices using Job or Sample Biofields as search criteria, due to an Oracle database limit being exceeded when more than 1000 matching jobs were found. This release fixes the issue and removes the 1000 Job limit imposed when a Biofield(s) are used as Invoice Search criteria (related to the Jobs in the Invoices). This means that the user can successfully filter Invoices based on the Job Search criteria, including the Job and Sample Biofields assigned to the Jobs linked to the Invoices.

CCLAS-6102 Sample Report Notes are being reported in the Sample Registration Notes in VSample views

Case Number: 200324

Sample Reporting Notes entered during analysis were incorrectly appearing in the Sample Registration Notes fields in reporting views. This has been corrected so that each type of note is now reported in its appropriate field.

CCLAS-5250 Entry of Zero Exchange Rates are not protected on UI and service calls

Case Number: 181249

In the previous release, a zero or negative exchange rate could be entered through the UI or automated services, leading to divide-by-zero errors during currency conversion. The UI and services have now been updated to prevent the entry of zero or negative exchange rates, ensuring data integrity and avoiding system errors. The system will return an error (*min*:

$[0.0000000001000000000000000000000000000000000000], \max:$

[10,000,000,000.000000000000000000000000000000]) if such values are entered in the *Exchange Rate* field and the user tries to persist (Click Ok). This forces the user to enter a positive value that is within reasonable range.

CCLAS-3804 CCINV Search with Display Currency="Laboratory" raises error, when sorting Invoice records

An error occurred when users attempted to search for invoices where the criteria is Display Currency = Laboratory. This was due to an invalid reference in the underlying view. This has been fixed so that users can now successfully search and view invoices with amounts converted to the laboratory currency.

CCLAS-2744 Sample Codes for Duplicates (when >1 created) are not in natural order to the Registration and Profile Sequences

Case Number: 110456

When more than one duplicate QC sample was added using *AppendQC* or *OverwriteQC*, the duplicates appeared out of order when viewing them against analytical schemes because their SampleCodes did not align with the SampleScheme's *ProfileSequence*, making them appear not in sequential order. This has been fixed so that duplicate samples are now assigned ProfileSequences that follow the logical order of their sample code sequence. As a result, when viewing duplicates against schemes, they would follow a sequential order.

CCLAS-1054 Activated dates and Activated by on S, SS, SSA, JS, JSA is not consistently applying

Case Number: 64162

When new samples, schemes, or analytes were added to a job after it was activated, the activation date (**Last Activated On**) and user (**Activated By**) details were not consistently carried through to these new records, which could cause confusion or incomplete search results. This has been fixed so that all new

records—including QC samples—inherit the correct activation information from the job, ensuring consistent and complete data across all related job and sample records.

CCLAS-7537 When Dup placed before UNK on the Analytical Schemes, the Dup is place 2 positions before the UNK

An issue was identified where Duplicate (DUP) QC samples were not being correctly placed immediately before their related Unknown (UNK) samples when viewed using an analytical scheme, despite specifically defined in the QC Mask. This has been resolved so that when *AppendQC* or *OverwriteQC* is executed, DUP samples are now correctly positioned immediately before the associated UNK samples, supporting more efficient sample management during analysis.

CCLAS-7465 Production Job-Scheme-Analyte Status is only set to Released when LB Job-Scheme-Analyte is Completed

An issue was identified where only the most recently validated analyte in a Laboratory (LB) Job was correctly updating its status to **Completed** in the associated Production Job-Scheme-Analyte (JSA), while previously validated (completed) analytes reverted to **Released**. This has been fixed so that all previously validated analytes retain their correct **Completed** status once validated, and the last analyte validated sets the JSA status to **Completed**, ensuring the correct workflow status.

CCLAS-7310 Specific Hex String values (% num num) are not returning correctly to UI (i18n fields) on Update Forms

Case Number: 225656

An issue was identified where entering text in the format %12345% into fields that support internationalisation (i18N), such as the *Job Description*, caused errors when opening or editing the affected records. This release fixes the invalid request error and is stored in the database the exact same way they were entered **but not how they are displayed from the grid**. This has to do with character escaping. When certain characters have special meanings (ex. HTML, URL, JSON or programming languages), combinations of these characters might come in conflict so they are replaced with safe representations so they do not break the system they are used in. These fields were never intended to hold special characters and best practice is to use these fields as standard descriptive text as was intended. This behaviour is not a CCLAS 6 defect but a limitation based on how URL encoding is interpreted within web applications.

Note: To ensure stability and consistency, we recommend avoiding special characters such as %, /, \, &, #, ?, <, >, and unescaped sequences that resemble encoding patterns.

CCLAS-6889 Add Tests From Sample does not set job scheme reporting details from the correct scope of scheme (if the Sample has already existed).

Case Number: 215913

An issue was identified where, under a specific sequence of steps, the *Job Scheme Report Name and Description* were incorrectly sourced from the organisation level scheme version instead of the lab-enabled version, even though the production job is always taking the lab scope scheme. This issue was only replicable when the sample already exists in the job and **Add Tests From Samples** was executed. This has been fixed so that the correct lab-enabled scheme version details are consistently applied, regardless of whether samples are added before or after the **Add Tests From Sample** operation.

CCLAS-5363 Sample Biofield Values left as orphans from Org Template Samples

An issue was identified where **Sample Biofield** values copied from an organisation-level job template were not correctly tagged with the current LabCode, resulting in the records being excluded when interim (draft) samples were expanded into real samples but also creating orphaned records. This has been enhanced so that **Biofield** values are now correctly associated with the new samples during creation, ensuring data integrity is preserved from the copy and no orphaned records are created.

CCLAS-4567 Some Biofield services are not respecting Scope based permissions (CCBFLD)

Case Number: 172209

An issue was identified where users with only Lab Scope permissions were able to perform services such as Approve, Unapprove, and Import Biofield on Organisation Scope Biofields, and vice versa, which made it difficult to isolate rights between those that should only be able to modify lab records without affecting the records for the entire organisation. The reverse is also correct. Some laboratories have a unique process that requires some of these biofield records to be isolated from organisational changes. This has been corrected so that service access is now correctly restricted based on the scope of both the Biofield and the user's assigned permissions, ensuring only authorised users can perform these actions.

The **Approve**, **Unapprove** and **Import** services on Biofields are now updated to respect the Org vs Lab permissions. This means that users who only have Lab Rights for Approve and Unapprove, can only execute these on Lab scope Biofields. This means that users who only have Org Rights for Approve, Unapprove and Import, can only execute these on Org scope Biofields.

CCLAS-1066 Save As Scheme Error message is misleading as to what is Inactive

Case Number: 64072

When creating a scheme from an existing scheme, the *Save As* function is used. When the scheme cannot be successfully saved to another scheme, the error message that **CCLAS 6** used to return was not clear on why it could not create the new scheme. It would take time for an advanced user to comb through the properties or the scheme or linked to the scheme to find out the problem. Usually, the issue for the failed copy is because an underlying property (or properties) related to the original scheme, scheme version or scheme version analyte was inactive, disabled, suspended, etc. If those conditions were included in the error message, then it saves the user time to go directly to the offending property, correct the issue then proceed with the *Save As* to eventually create the scheme. This has been implemented in this release. The error message now adds more targeted information in the error message to narrow down the possible issue for the user to correct and continue with the task.

CCLAS-5109 Ensure that Change Prices dialog from a price book schedule has correct dialog content

Case Number: 180580

In **CCQUOTE** *Change Price (Scheme)* and *Change Price (Analyte)* services used to call on the same dialog that referred to *Change Price (Scheme Only)* for both scheme and analyte change of prices which is confusing to users. It also mentions analyte in the scheme change of price which adds more confusion because analyte is not relevant to the scheme change of price. In the new release, this issue has been corrected. Two new dialogues have been implemented for specific use of the scheme and analyte when changing prices. This avoids any confusion and miscommunication to the user. This only applies to the quote application.

CCLAS-5588 CCVALN Cannot paginate on Result Grid if 50th record is a String Type Analyte

Case Number: 180166

An issue was identified in CCVALN where pagination failed with an invalid request error if the 50th record in the Results Grid was a text-type analyte. Pagination has been removed to resolve the issue, and all sample scheme analytes are now displayed without error.

CCLAS-6834 Ensure that Business Keys work as a Search Parameter on CCSampleSchemeAnalyte.Search service

Case Number: 213623

The *SampleSchemeAnalyte* search service was not reliably returning the correct records when using business keys, sometimes returning results with an incorrect Sample Code. The service has been enhanced to correctly handle key parameters: *OrganisationCode*, *LaboratoryCode*, *ArchiveStatus*, *JobCode*, *SampleCode*, *SchemeCode*, *SchemeVersion*, *AnalyteCode* and added a new *SchemeVersion* parameter. The search now correctly returns the analyte record when filtering by these parameters resolving the issue.

CCLAS-7607 Ensure that Instrument Code is not assigned to an Analyte result unless a Final or Raw result or Parameter Value is also captured

Case Number: 249125

Previously, Instrument Codes were being recorded inadvertently on SampleSchemeAnalyte records even when no final or parameter results were captured or calculated. This was mainly caused by the formula referring to the analyte that contained the result from an instrument (like a balance). This has been corrected so that Instrument Codes are now only stored on the record when a result is actually produced, ensuring more accurate reporting and analysis of laboratory activity.

CCLAS-7159 Restrict adding of different Scheme Versions to a Quote

Case Number: 223218

Users were previously able to add analytes from a different version of a scheme in a *Quote*, leading to inconsistencies in downstream processes like invoice, WIP and estimate calculations. This has been resolved by introducing validations that enforce a single scheme version per *Quote*, ensuring accurate pricing and eliminating conflicts during invoice generation. If a user adds a scheme or analytes to a quote that already has the scheme of an older version then the system will return an error message that the scheme already exists.

Note: When searching for schemes/analytes to be added to *Quotes*, it will always find the latest scheme version. If the quote already has the scheme and partial analytes from a previous version, the user cannot add remaining analytes because they come from different versions. In this situation remove the entire scheme (and its analytes) from the quote and add it again thereby getting the latest version of the scheme and all the analytes in the quote will be of the same version.

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