When a Batch contains more than 9 Unit Recipes or more than 9 Operations the order returned by Database Queries is incorrect.

Exaquantum/Batch relies on SQL Server collating sequence to sort the data returned by SQL Queries.

The Unit Recipe and Operation Name fields in the database are defined as Varchar and usually contain both a number and a string separated by a colon.

For example assume that the tenth operation in a particular unit recipe is called Heat. This will be stored in the RecipeRPE table as

    10:Heat

For this reason SQL Server will sort using an ASCII collating sequence.

If this is the case then when there are more than 9 the order will be incorrect.

For example consider the following Unit Recipe that has 12 operations. A query which returns the names of the operations will return the following:

Name
1:Initialize
10:Add Ingredient 4
11:COOL
12:TRANSFER
2:Add Ingredient 1
3:Manual Add
4:HEAT
5:Dehydrate
6:COOL
7:Add Ingredient 2
8:AGITATE
9:Add Ingredient 3

This would also be the case if a request was made from the raw tables for the Unit Recipe list of a specific batch if there were more than nine unit recipes.

The UnitRecipeReportView returns the Unit Recipes in the correct order however and it is recommended that this be used.

The OperationReportView returns the operation names in the correct order if the request is for a specific Unit Recipe. If a request is made for all operation in all unit recipes for a specific batch the order will be incorrect.

This will be corrected in a future release of Exaquantum/Batch.

Exaquantum /Batch Releases Affected
All