Innovatint version 3 Characterizing in Innovatint Lab

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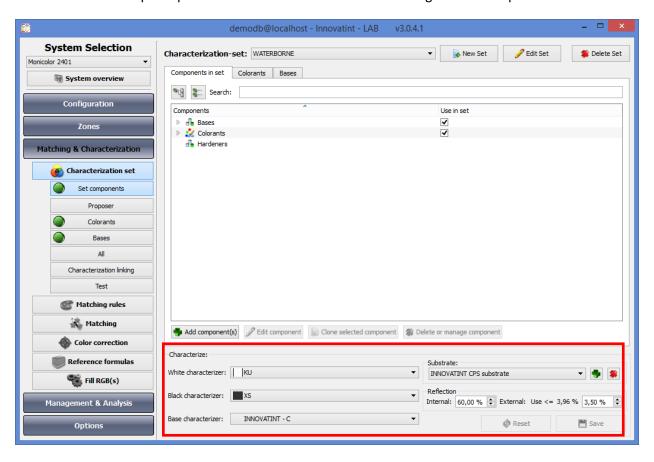


1. Characterizing bases in existing database with same bootstrap components or with already characterized other black/white colorants

Normally when a database is send out by Chromaflo Technologies it will hold characterized colorants and standard Chromaflo Technologies bases. The mixtures used to characterize these components are not visible anymore, but the K/S values can be used.

In some occasions the database will also hold all the mixtures that have been used to perform the characterization. These should not be altered as they have been checked on accuracy.

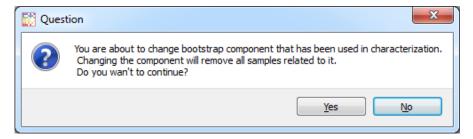
When starting to build a database starting from a standard Chromaflo Technologies database you will see that the bootstrap components are set for a Chromaflo Technologies standard product and base.



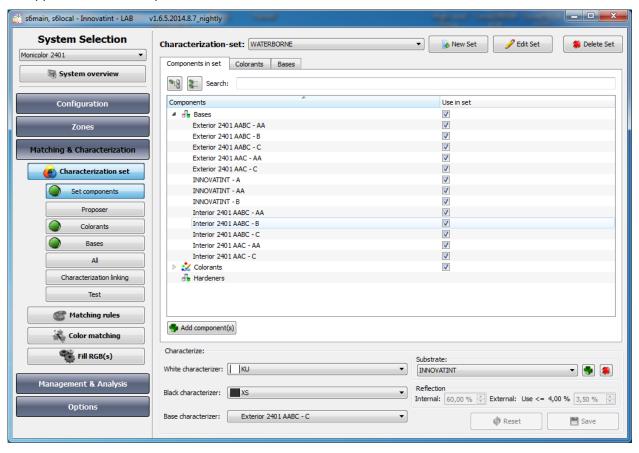


As you probably will not be using that combination of product and base it is logical that you delete the product out of the system. This is not a problem as the product and the base characterization are not linked to each other. The characterized components will remain in the database even when they are removed in the products holding them.

When you would remove the base characterizer component from the set or you change it to another component you would get a message:

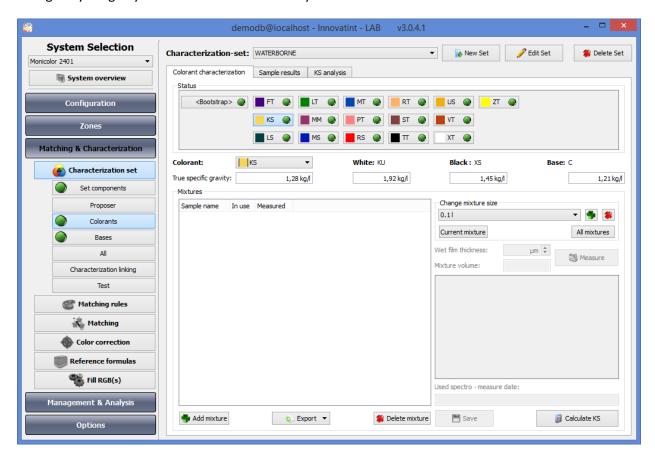


When clicking "Yes" the "Base characterizer" will be empty or change to the new selected component. Also, when you would de-select the component and it is not present anymore in any products it will also disappear from the components list.





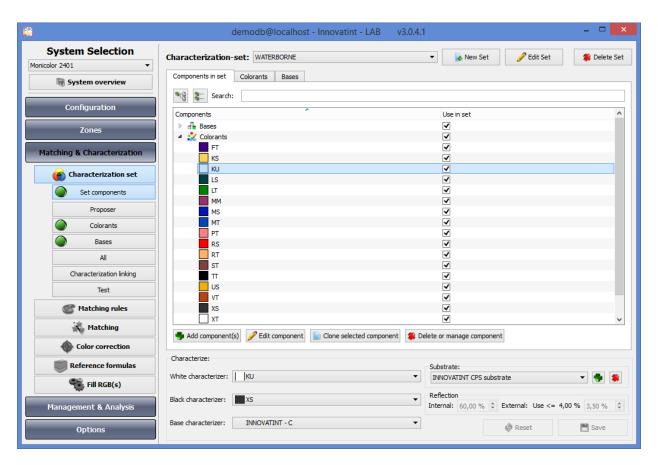
As a consequence of deleting the component used for the characterization all mixtures using that component are deleted. The K/S values will still be there and can be used for matching, but you cannot change anything anymore in the mixtures as they are taken out.



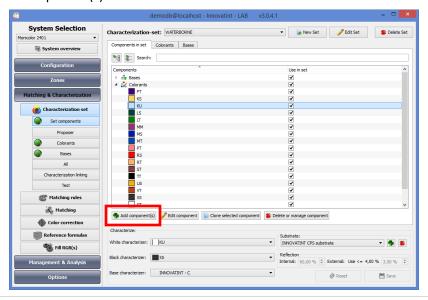
The same thing applies when changing the "White characterizer" or "Black characterizer". Probably you will need to do this as the characterization of Chromaflo Technologies is always done with the same colorants and bases, some of which are not in the colorant system you are using.

NOTE: when changing a white or black bootstrap component you will see in the "Colorants" section the colorants from the original bootstrap components also coming up. You can delete them from the set by de-selecting them.



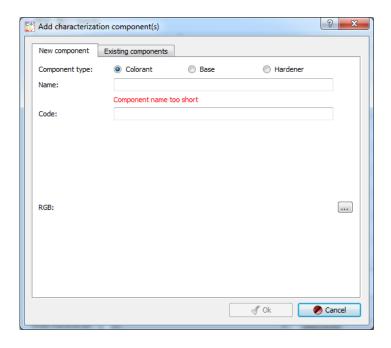


When the selection of the characterization components is correct you can start characterizing the new bases. When you have made a new product/base you still need to add them into the set. Do this by clicking on "Add component(s)".

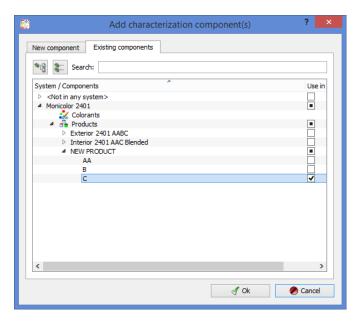




A new screen will come up:

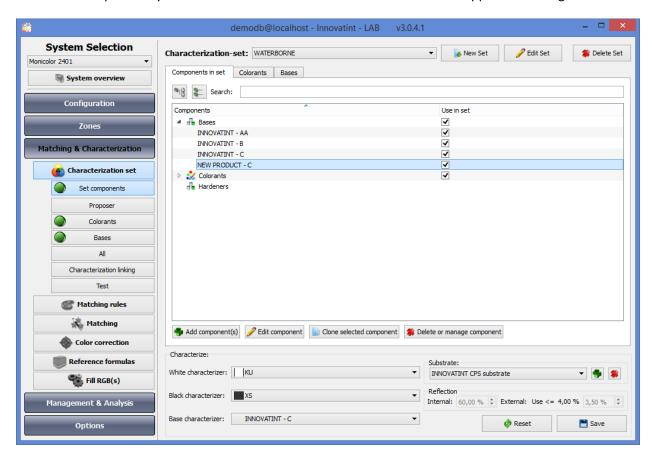


As mentioned before the components in a set do not necessarily be in a product or colorant system. It is possible to add a new component directly without actually using it in the rest of the database. Normally you would use a component that actually has been configured already. For this click on "Existing components". Here you will see an overview of non-characterized components that are already used in the database.

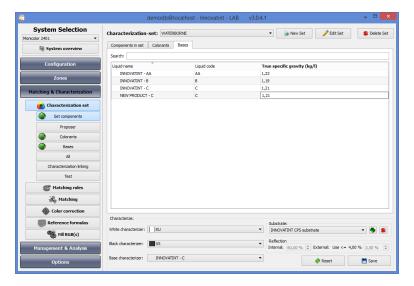




Select the components you want to characterize and click "OK". It will now appear in the big list:



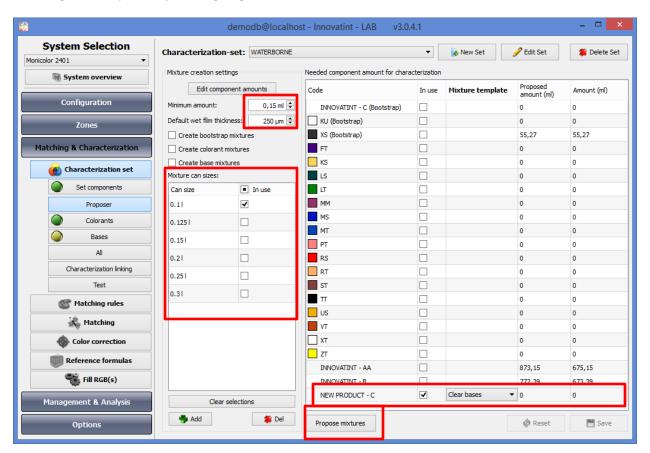
But of course it has not been characterized yet. First set the specific gravity of the real components you are going to characterize (so the S.G. as specified on the pot).





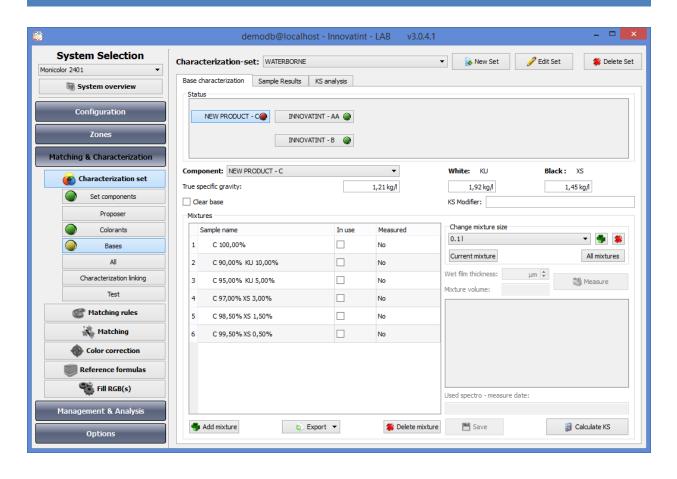
In the "Proposer" set which components you want to create mixtures for. In this case it would be only the new base. When you would select a component that already has been characterized the program will suggest new mixtures which will result in the loss of K/S data of that component!

Very important is that you select the correct template for the mixtures you are going to create as they follow a set of mixtures tested by Chromaflo Technologies. When a template is missing or not suitable for your needs you can also skip this part and add the mixtures manually in the "Bases" section by selecting the component you are going to characterize.



Now you can start characterizing the new component(s).





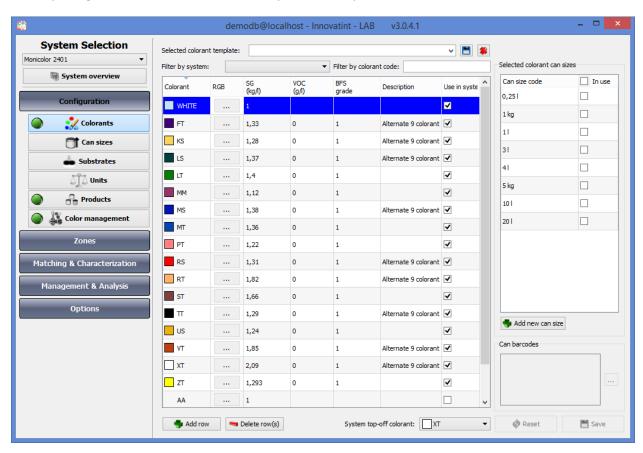


2. Characterizing bases in existing database but other bootstrap components

It could happen that for the characterization of new bases you would like to use a different black and white colorant as bootstrap components which are not characterized yet. Also, as you don't have the standard Chromaflo Technologies clear base, making a new bootstrap is not possible. To solve this, the following steps should be followed.

NOTE: to get the best quality for the characterization it is preferred to use the bootstrap components that were also used for the original characterization. Ask Chromaflo Technologies for the possibilities!

First add the colorants you need to add to your database. This can be done in the "Colorants" section. You can of course also skip this and only add the new components in the characterization set without actually using them in the database. See the previous chapter for this.

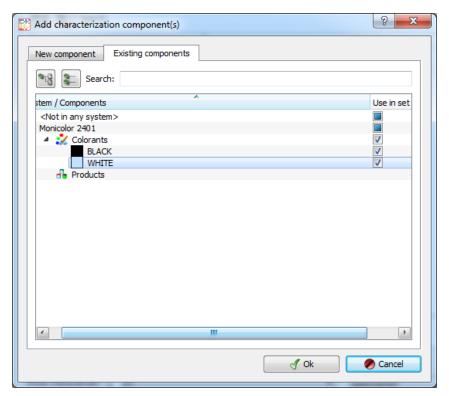


Also add the new products and bases to your system or just as components as explained in the previous chapter.



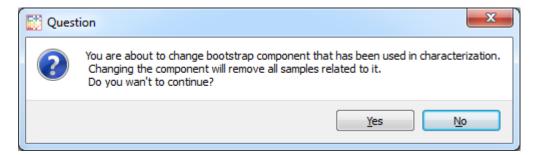
After this go to the "Set components" section and add the colorants and bases to your characterization set (only needed when not done directly yet). To be able to make a new bootstrap always a clear base has to be used so make sure that at least that is added.

You can add the components by clicking on the "Add component(s)" button and selecting the new components from here.

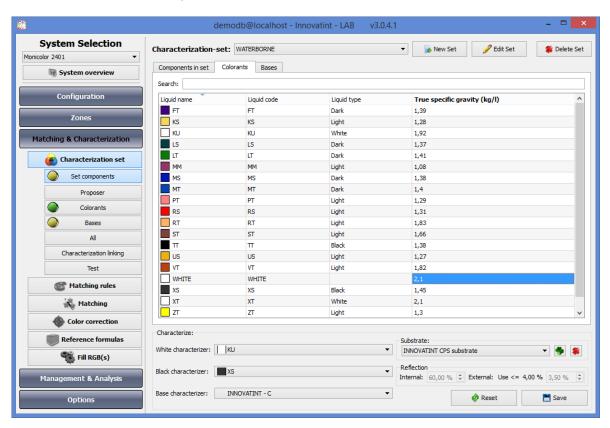




When you have configured your components you also have to change the bootstrap components. Change them to follow your new base (or when you have the Chromaflo Technologies clear base you don't change it) and set the new black and white colorant. It will give you a warning about removing bootstrap components but in this case it can be ignored. Click "Yes" and continue the work. However, when the original database still had the mixtures for the original components you will lose those as they are based on the first bootstrap. Please keep this in mind. The K/S values will still be there and suitable to be used for matching.



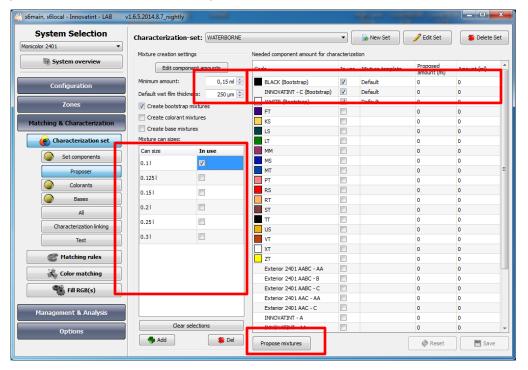
Set the densities for the new components.





Now go to the "Proposer". In the "Proposer" set which components you want to create mixtures for. In this case it would be only the new base. When you would select a component that already has been characterized the program will suggest new mixtures which will result in the loss of K/S data of that component!

In this case you need to make a new bootstrap so select this.



Propose the mixtures.

When you go to the "Colorants" section you will see that the bootstrap is showing mixtures based on the black and white colorant + base. The warning light is green as it still has the K/S values from the old bootstrap. When starting the measure the new mixtures and calculate the K/S values you will overwrite the old bootstrap. The colorants that have been characterized with the old bootstrap will still be green as the K/S values are still in the database. Same goes for the already characterized bases. Only the new bases would show red and will ask you for mixtures. The others stay green.





Finish the characterization of the new bootstrap components and after this you are ready to also characterize other bases as described in the previous chapter.



3. Characterizing colorants in existing database with or without different bootstrap components

Characterizing colorants in an existing database can be done immediately when using the same bootstrap components as the original database. When there is another black, white or product/ base combination a new bootstrap has to be made first.

Going from scenario 1 where the components of the original bootstrap are used (so same white and black base + Chromaflo Technologies standard clear base) the addition of a new colorant only means adding the colorant in the "Configuration" section, add it in the "Set components" and make mixtures with the "Proposer".

When scenario 2 is in place where at least 1 of the bootstrap components is replaced you have two options:

- 1. When the new bootstrap components that have to be replaced have already been characterized you can change it directly in the "Set components" section. As described in the previous chapters it will give you a warning about it and you will lose all mixtures from components made with the original bootstrap. The K/S values will be lost. When you have replaced the needed components you can move forward as described in scenario 1.
- 2. When the new bootstrap components have not been characterized you have to make the new bootstrap first. How to do this is explained in the previous section. After you have finished this you can add new colorants with the new bootstrap component(s).



4. Start from scratch

This is the easiest way to work but also it gives you the most work. To start from scratch the database has to be build-up, the components have to be set, the bootstrap has to be made and all other components have to be characterized.

To do this configure your database and make a complete new characterization set. This will make everything new and gives you the opportunity to start with an empty characterization set.