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## Operating Instructions KERN EasyTouch

# EasyTouch Tolerance User manual

Version 1.1  
2022-09  
GB



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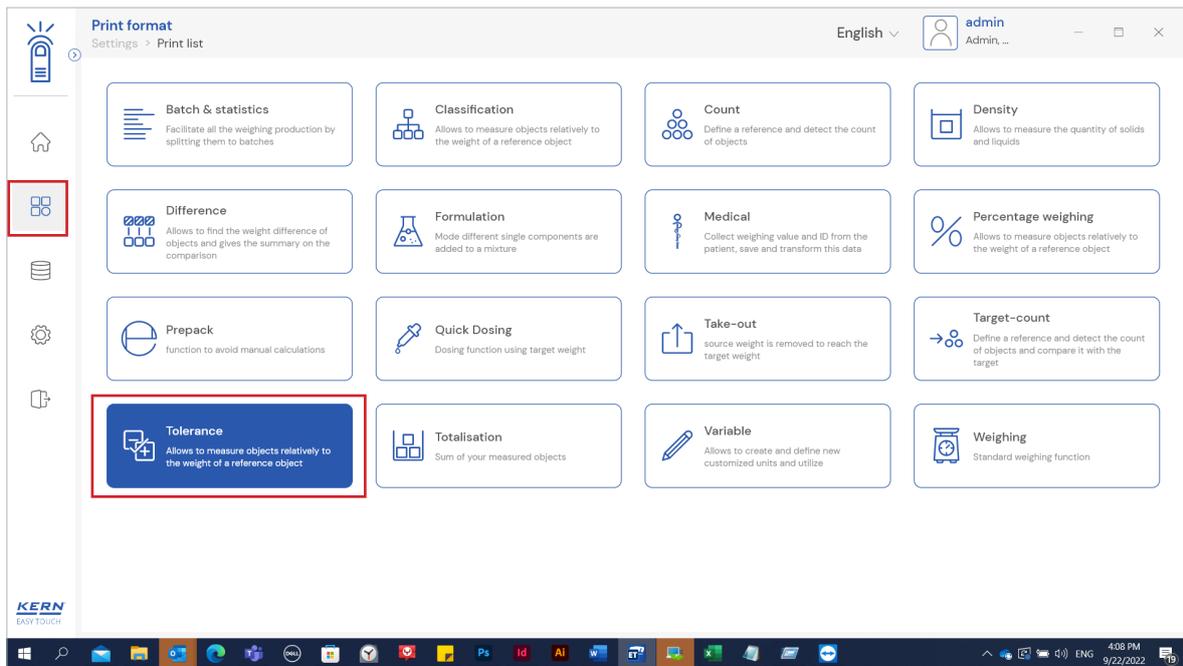
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# 1.0 Introduction to tolerance

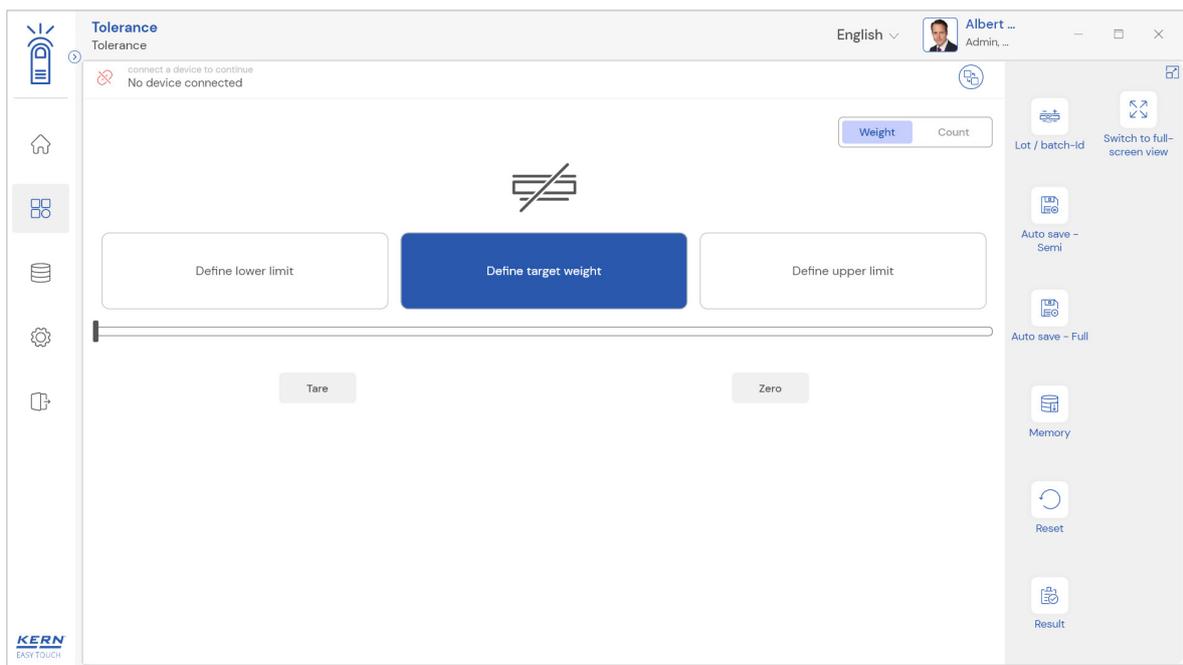
This function offers the possibility to determine whether the delivery quantity lies within the given tolerances for both inbound and outbound deliveries. The user can define the tolerances for the delivery quantity that is used to trigger the delivery process.

This function offers two modes as to set the tolerance and target based on the weight or the count.

- Click on the function menu from the main menu.
- The function list screen will open. Click on the tolerance function from the function list.



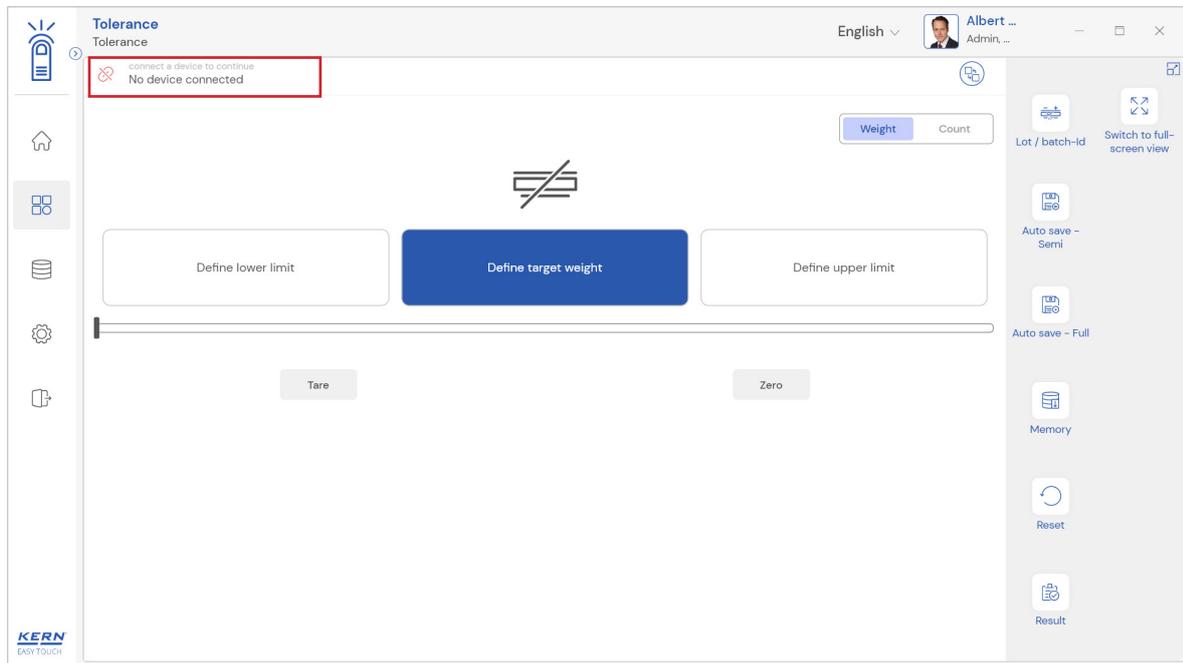
- The main screen of the function appears,



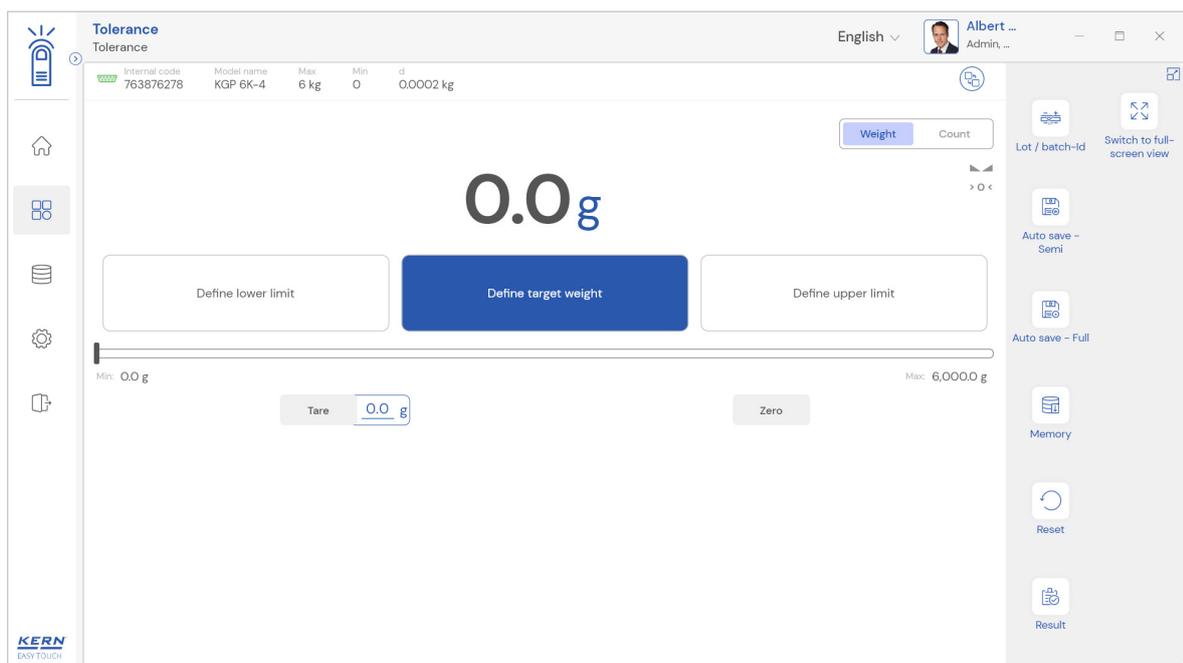
## 2.0 Device features

The device features can be utilized upon connecting the device with the weighing scale.

- Indication of “no device being connected” will be displayed



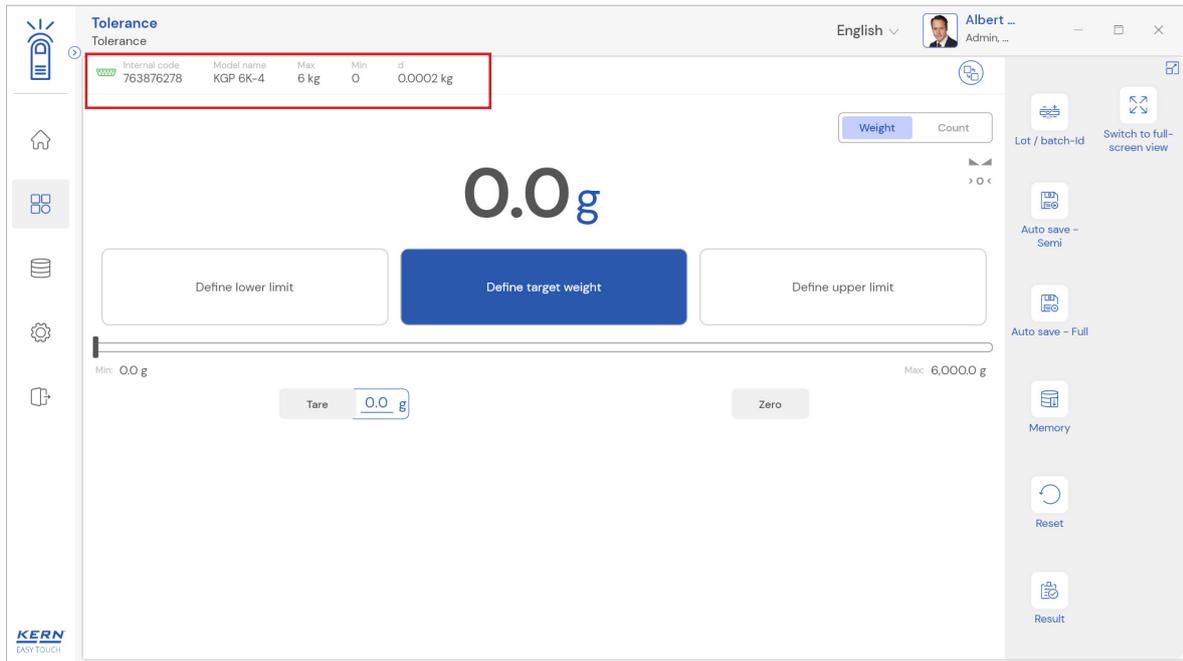
- The functional features will be displayed in the right-hand side of the screen
- The provision to minimize and maximize were also being given in the upper right corner of the screen to get a full view mode
- Now connect a device to proceed with weighing of an object by clicking on the “connect a device to continue”
- Connect a device which is physically connected to the system and now the weighing mode is activated, and screen looks as per the below.



English

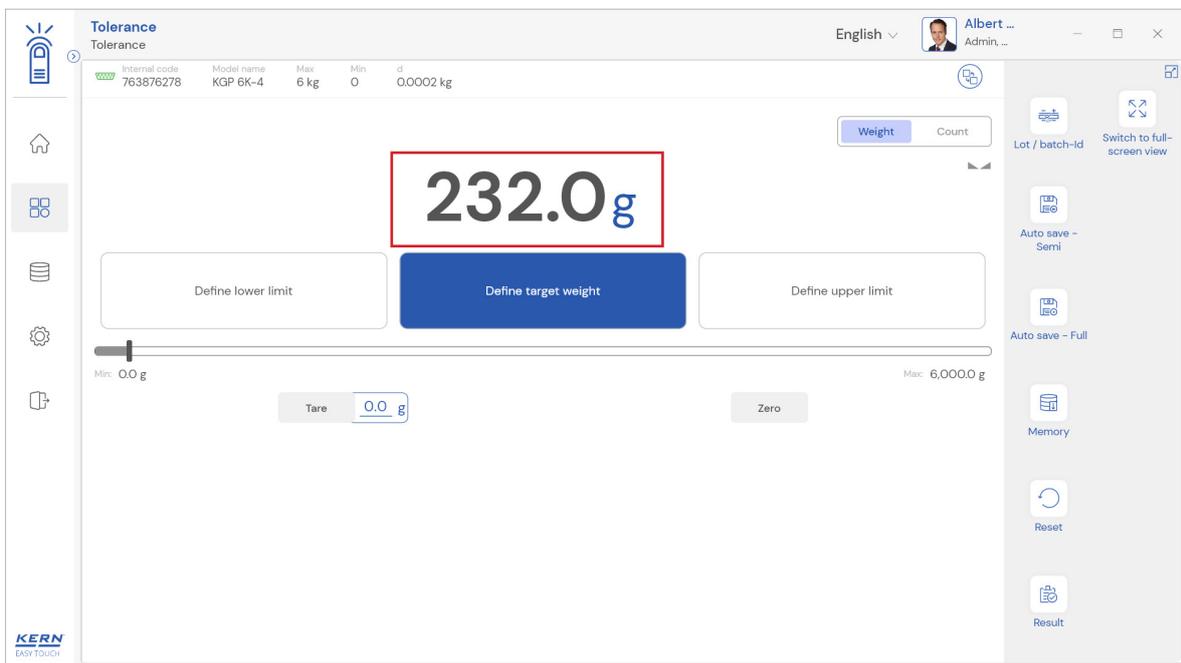
## 2.1 Device details

The system will display the prominent details of the device as such internal code, model name, min, max, d and e value (in case of verified weighing scale) once the device is connected.



## 2.2 Net value

The weight on the scale would be displayed with the default unit in gram.



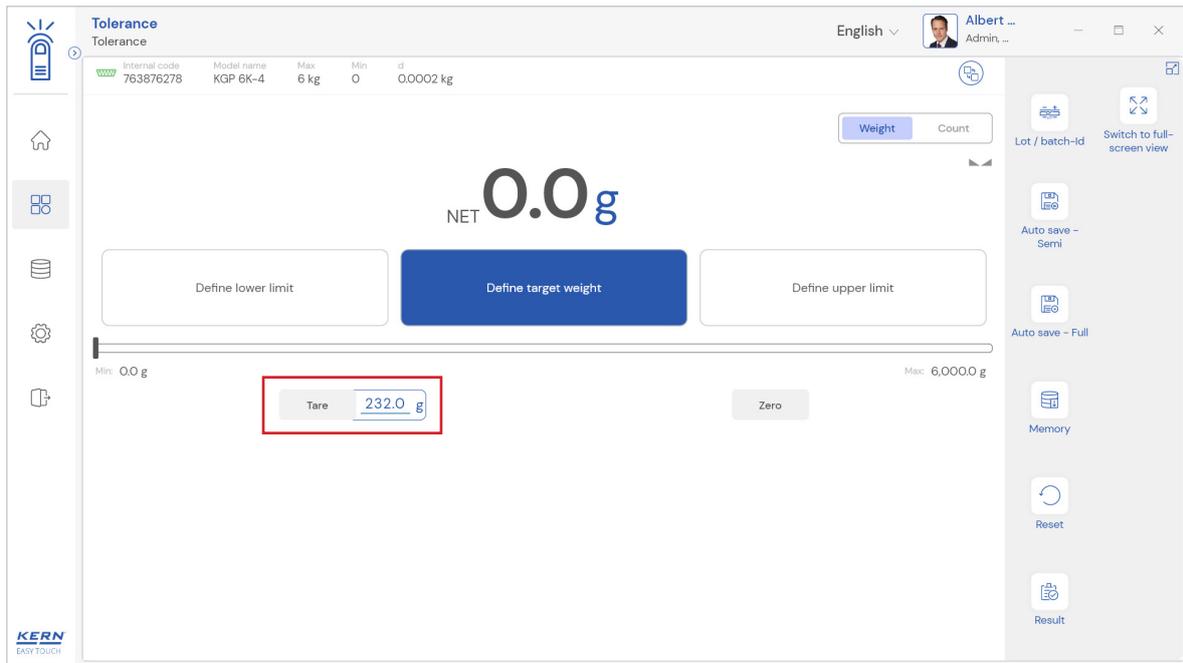
## 2.3 Tare

User can utilize the tare in two ways

### 2.3.1 Auto tare

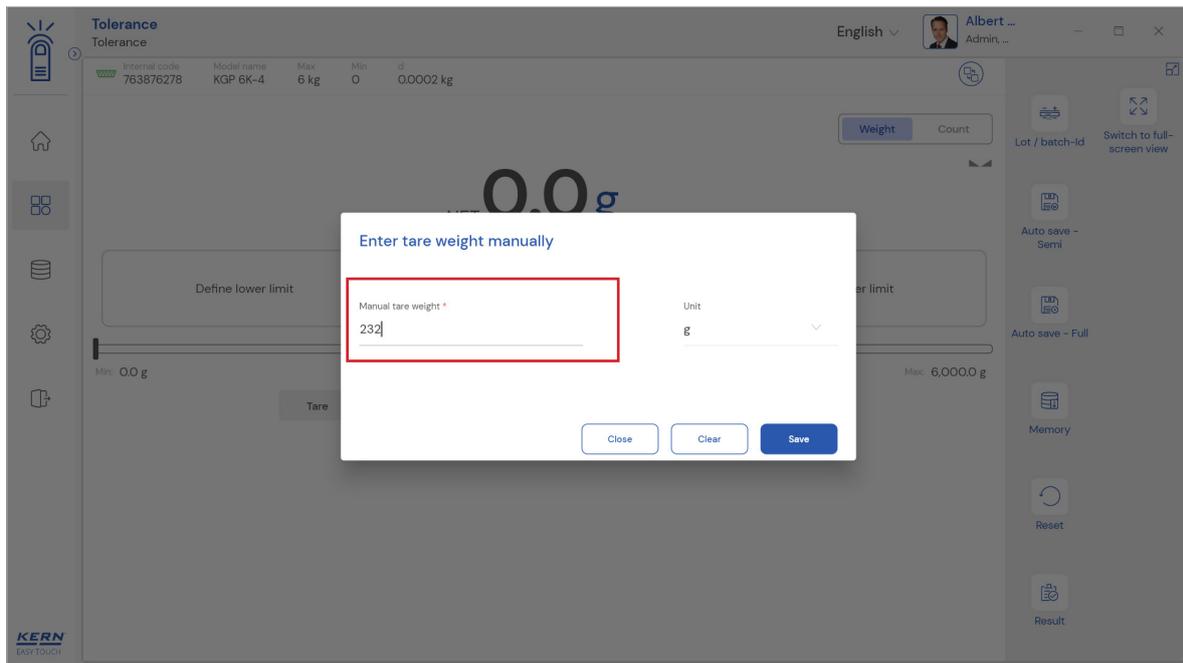
Place weight on the scale and press the tare button. The weight on the scale would be tared.

English



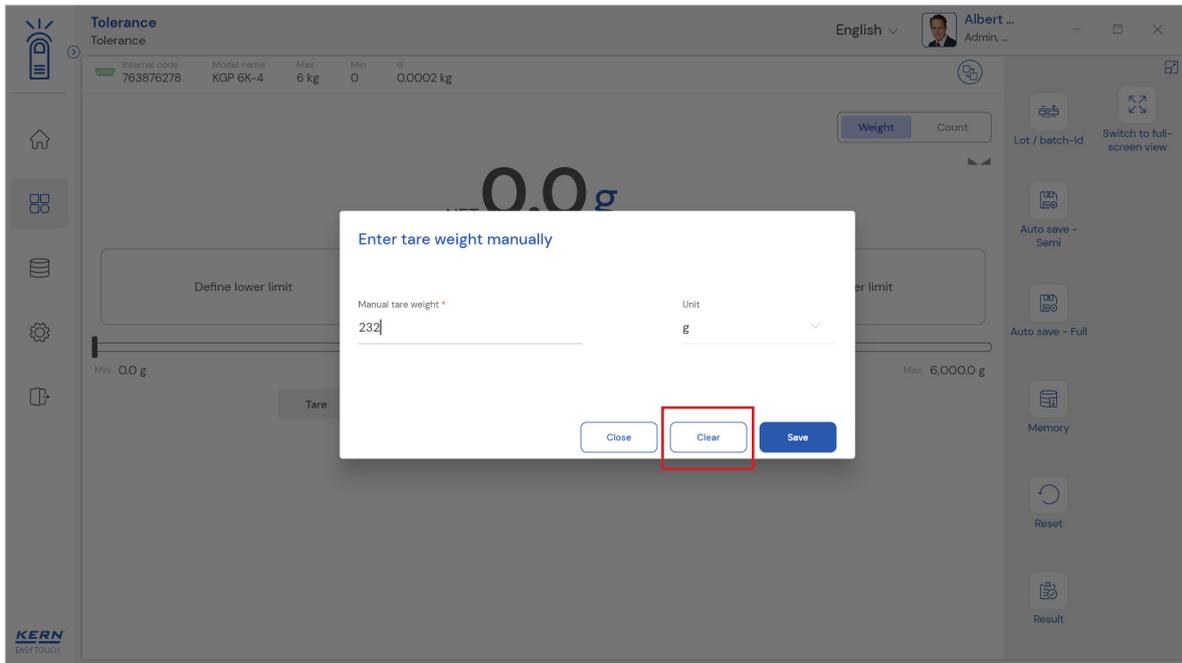
### 2.3.2 Manual tare

Click on the hyperlink against the tare and enter the tare value.



### 2.3.3 Delete tare value

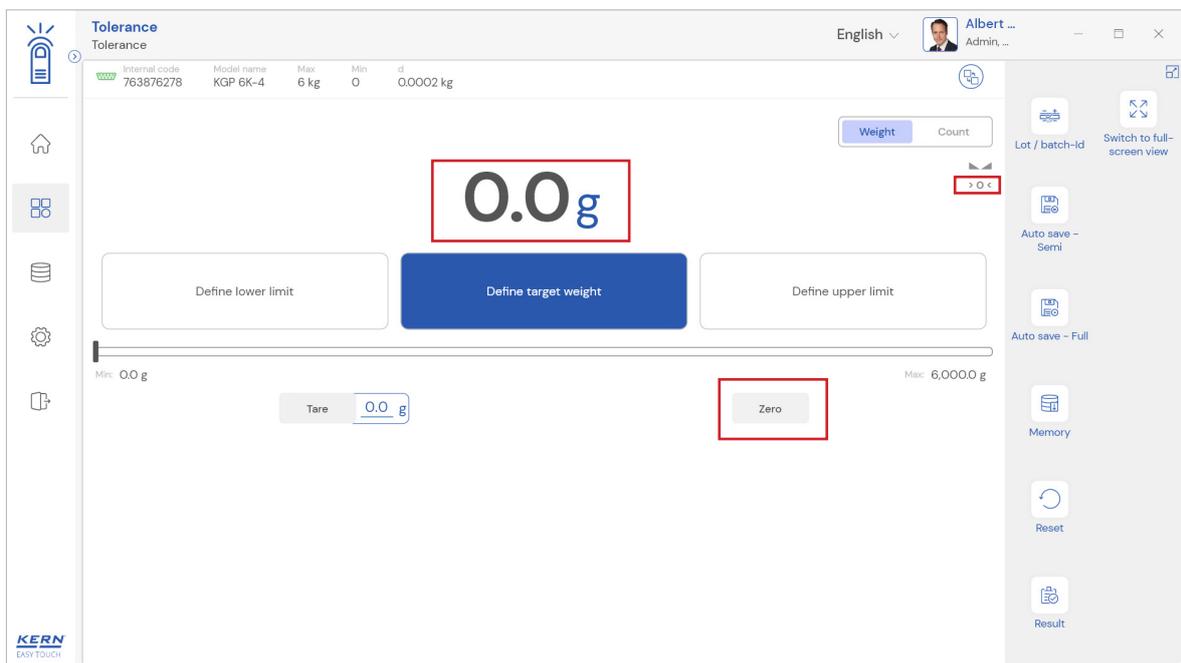
Click on the clear to delete the tare value manually or remove the weight on the scale and click on the zero button.



## 2.4 Zero

The zero is used to remove the unwanted weight from dust, rust, or other build ups. This is used when there is nothing on the scale, but the reading doesn't display zero.

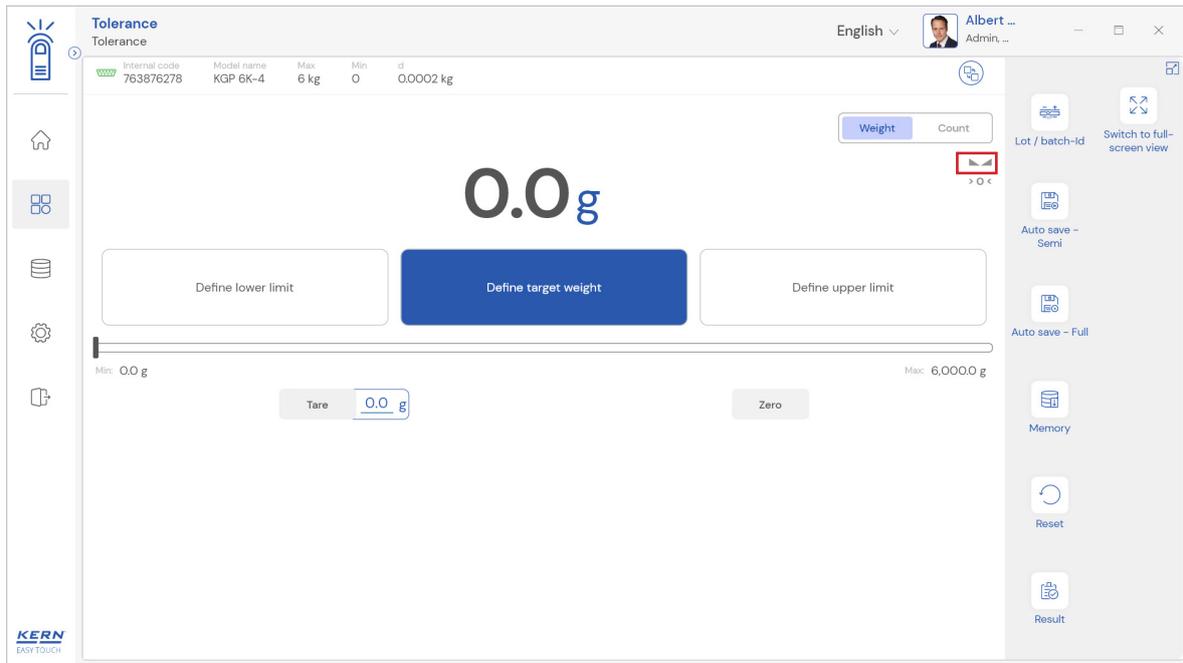
- The expected is to set the weight measurement starting from zero.
- The zero will be indicated by the zero indicator.



Kindly note, the zero works only when the weight on the scale is less than 2.5 % of the max value of the device.

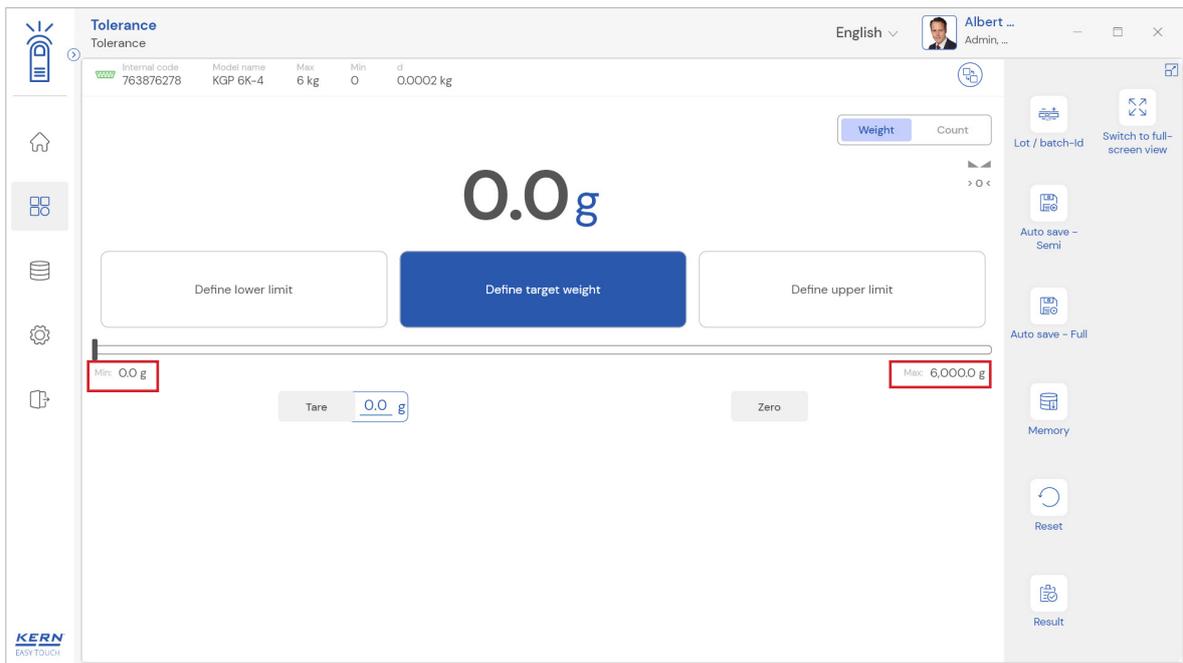
## 2.5 Stability

The stable indicator will be displayed once the weight on the scale gets stabilized.



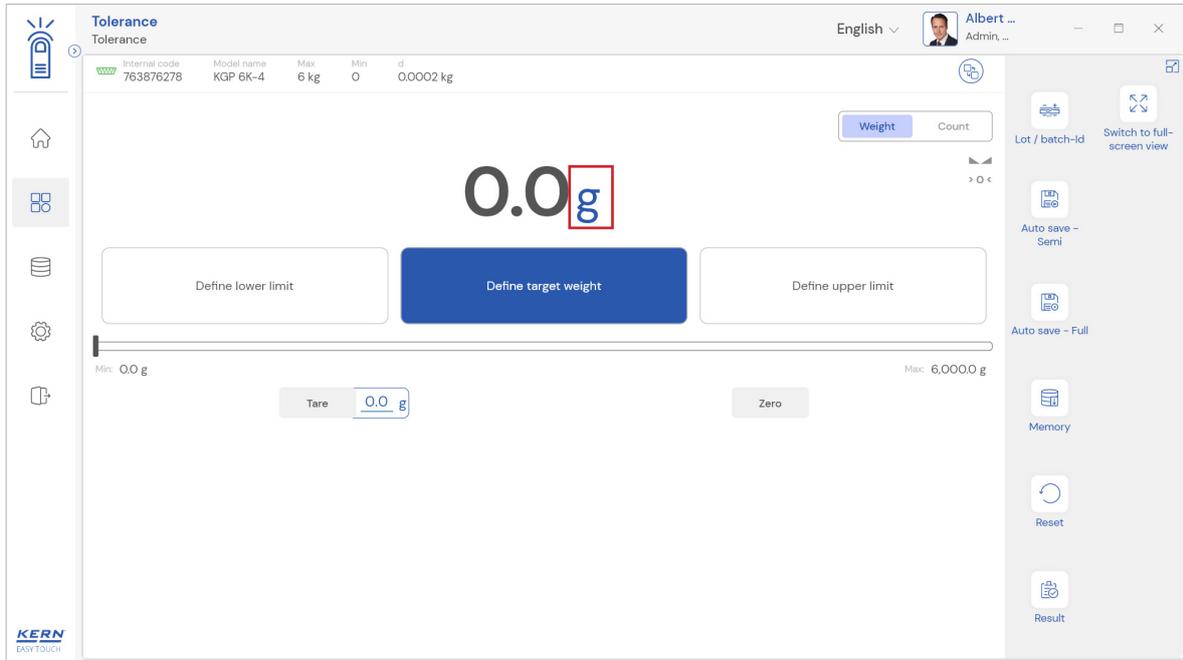
## 2.7 Min and max

The minimum and maximum value that the device can hold will be displayed under the progress bar

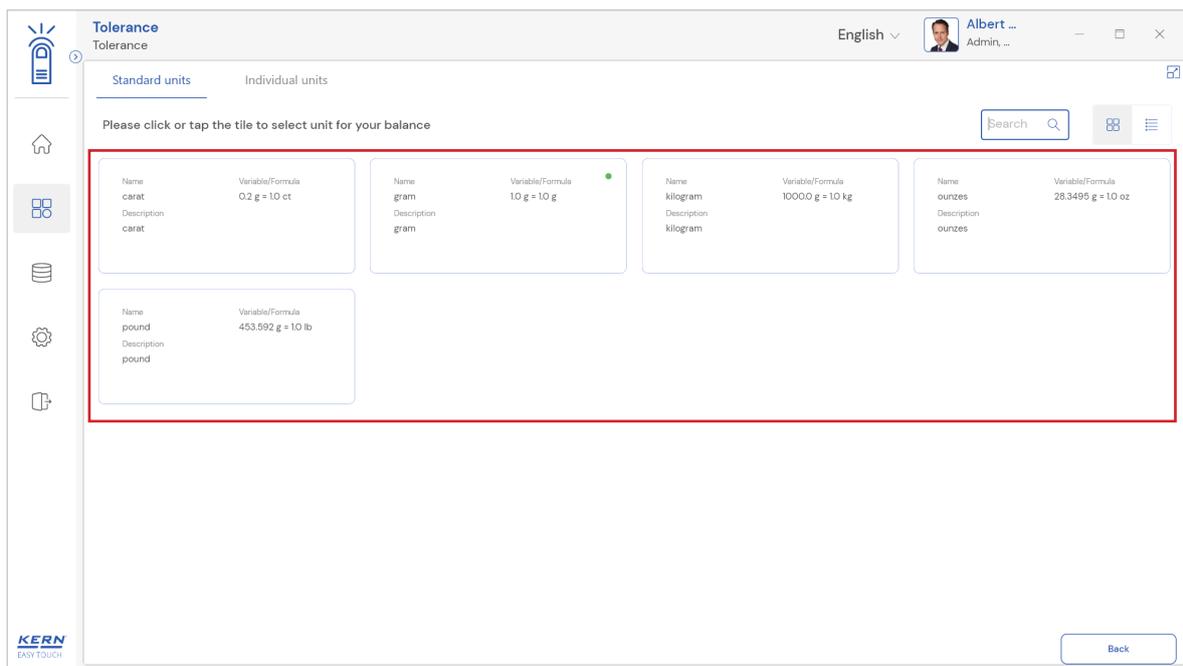


## 2.8 Unit change

User has been offered with some of the frequently used units by default units. This can be accessed by clicking on the unit on the weighing screen.



By accessing the unit, the user gets this screen to swap the unit in case if required. The respective unit can be accessed by the click.

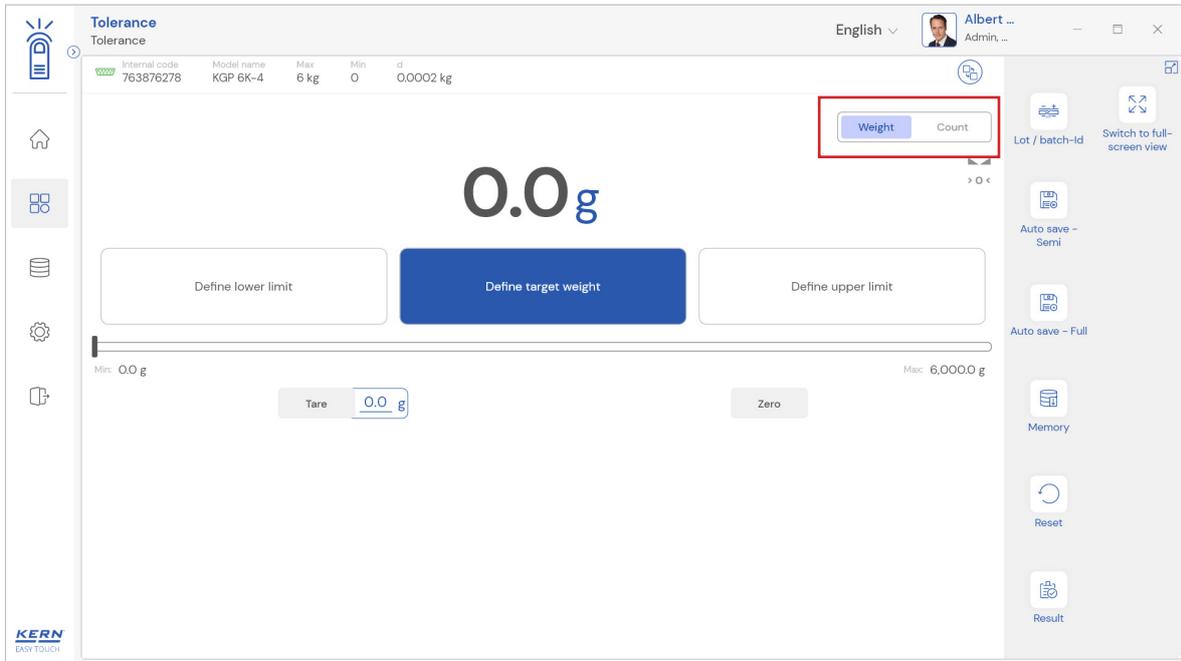


### 3. Functional features

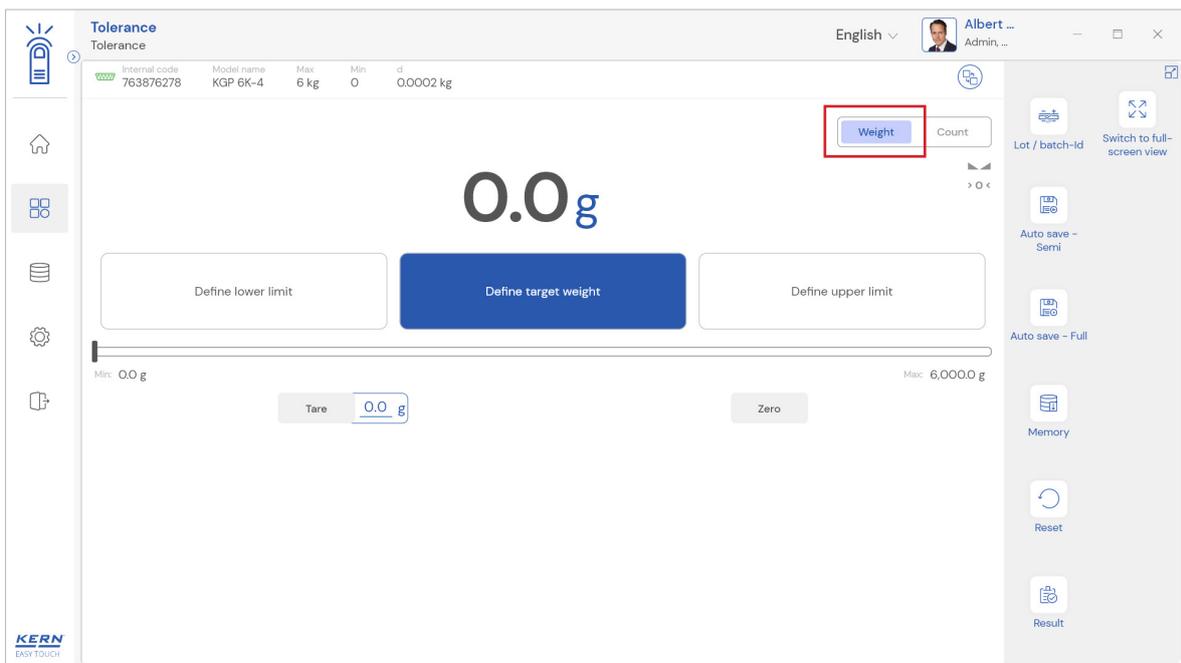
#### Mode: weight

The weight mode offers the possibility to determine the target of delivery quantity and the tolerance based on the weight. The user can define the tolerances in terms of g, kg or % for the delivery quantity that is used to trigger the delivery process.

- The start screen for this function appears, and the user could be able to toggle between the two modes weight and count



- Choose the mode as “weight”

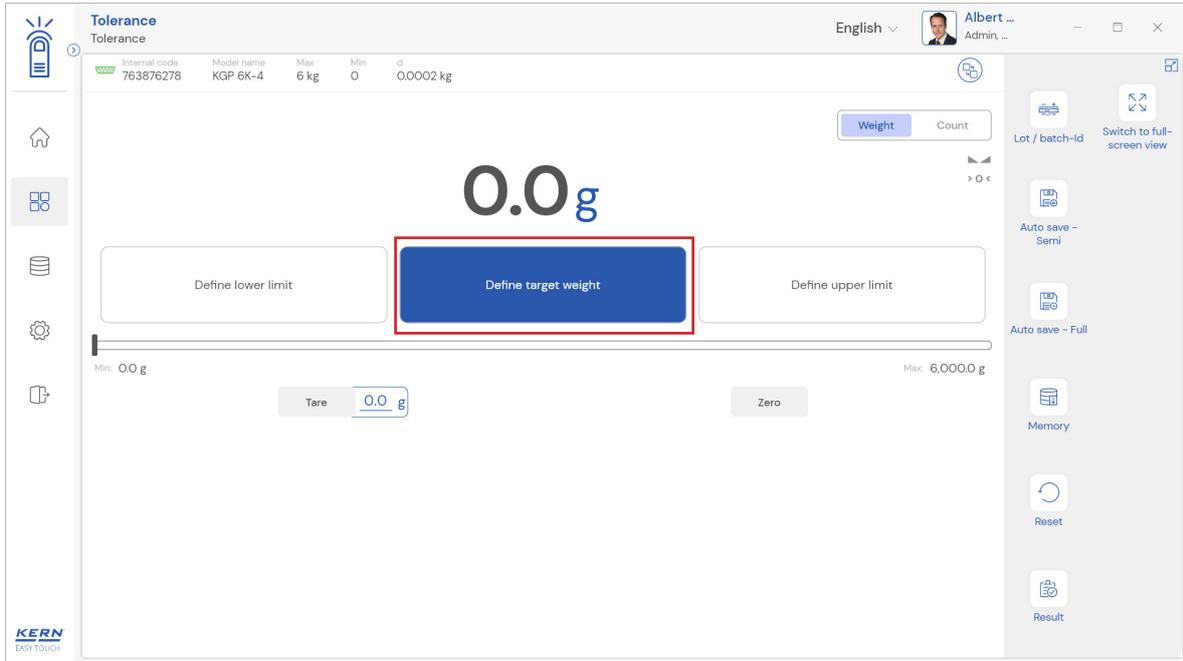


### 3.1 Defining the target weight:

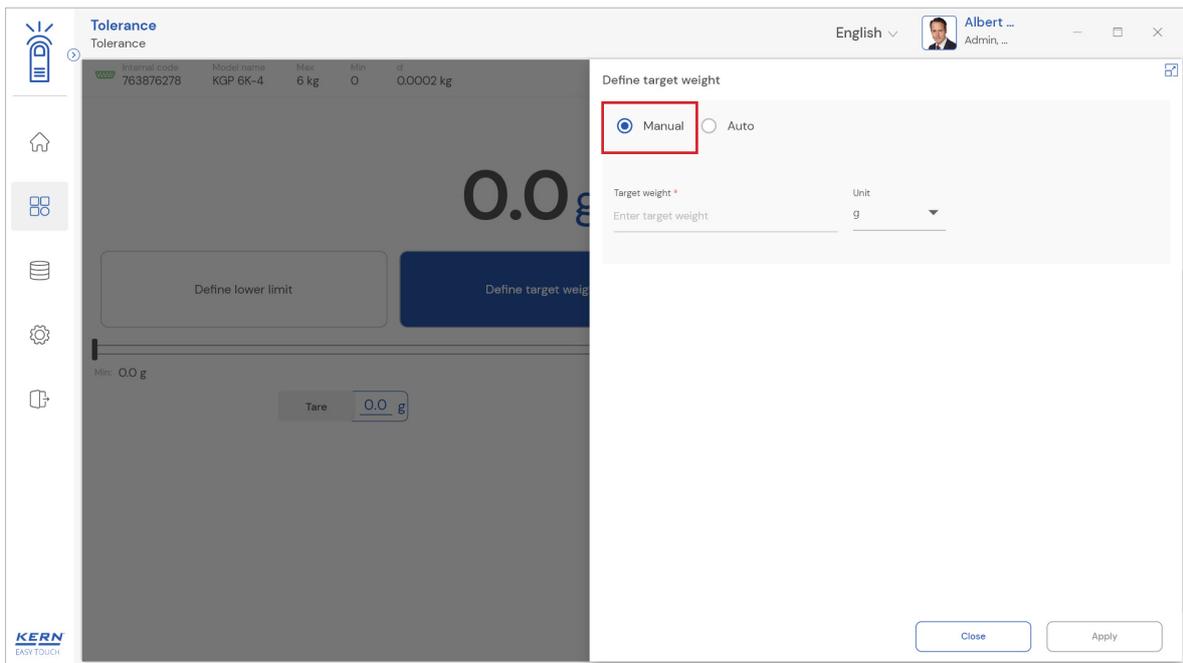
There are two ways to define the target weight via manually or automatic.

#### 3.1.1 Manual

- Click on the “define target weight” to set the target weight and the below screen appears

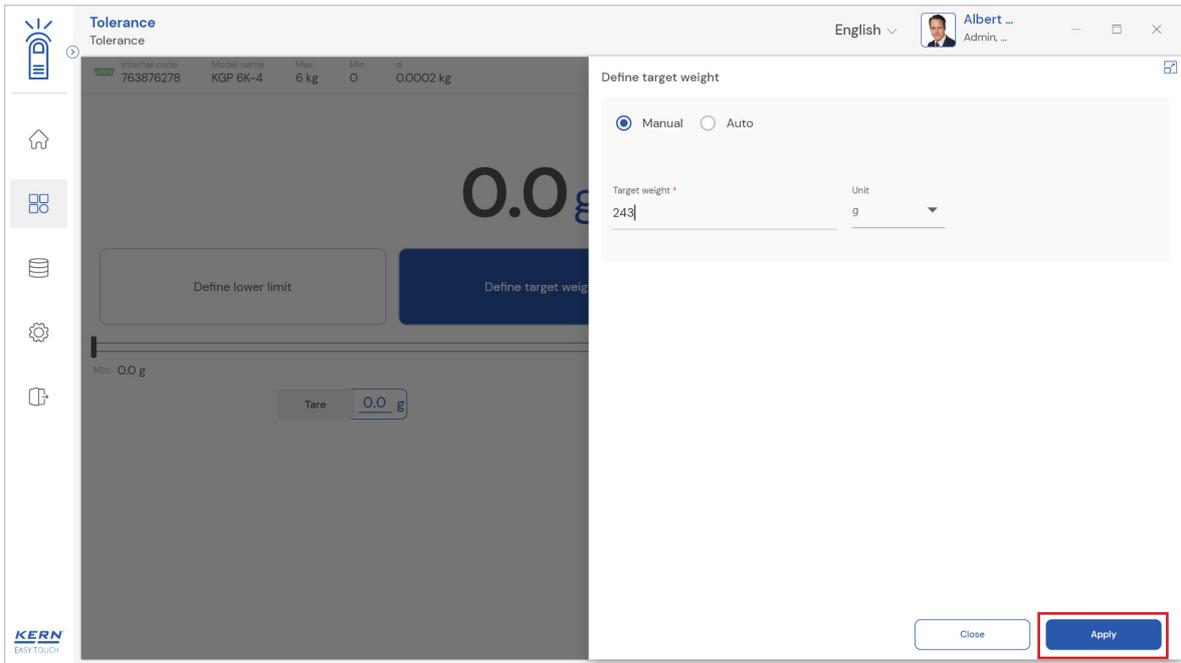


- Choose the mode as “manual” and enter the target weight and the respective unit.



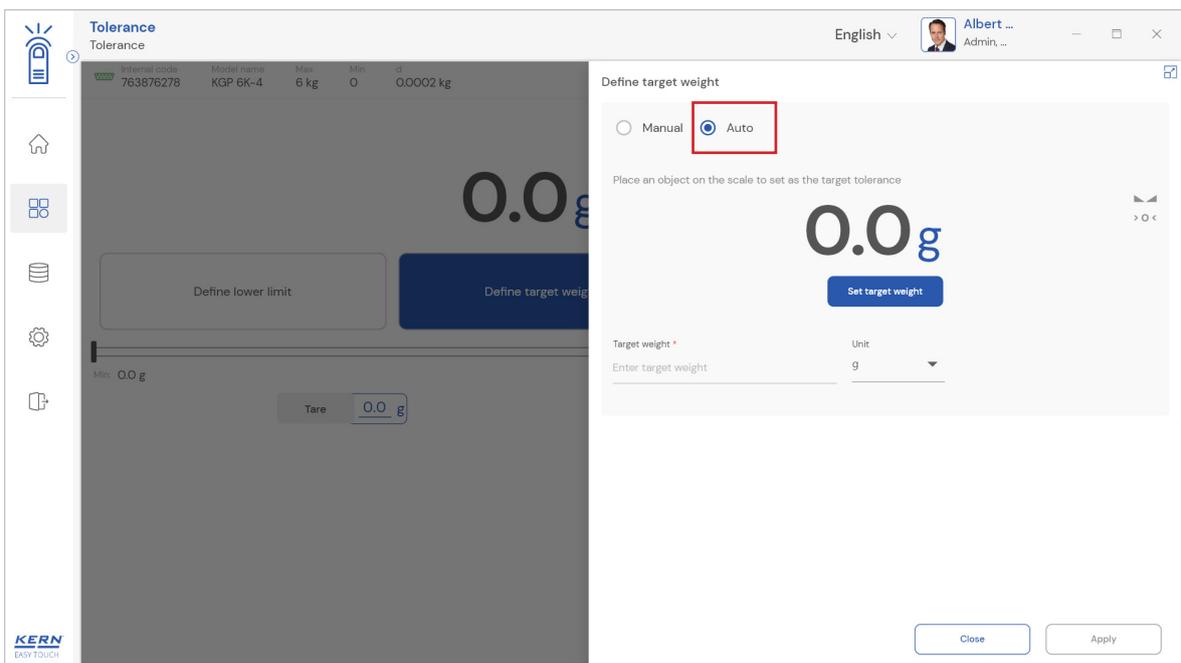
- Save the entry with the button “apply” below right. The target weight is now determined and is displayed

English

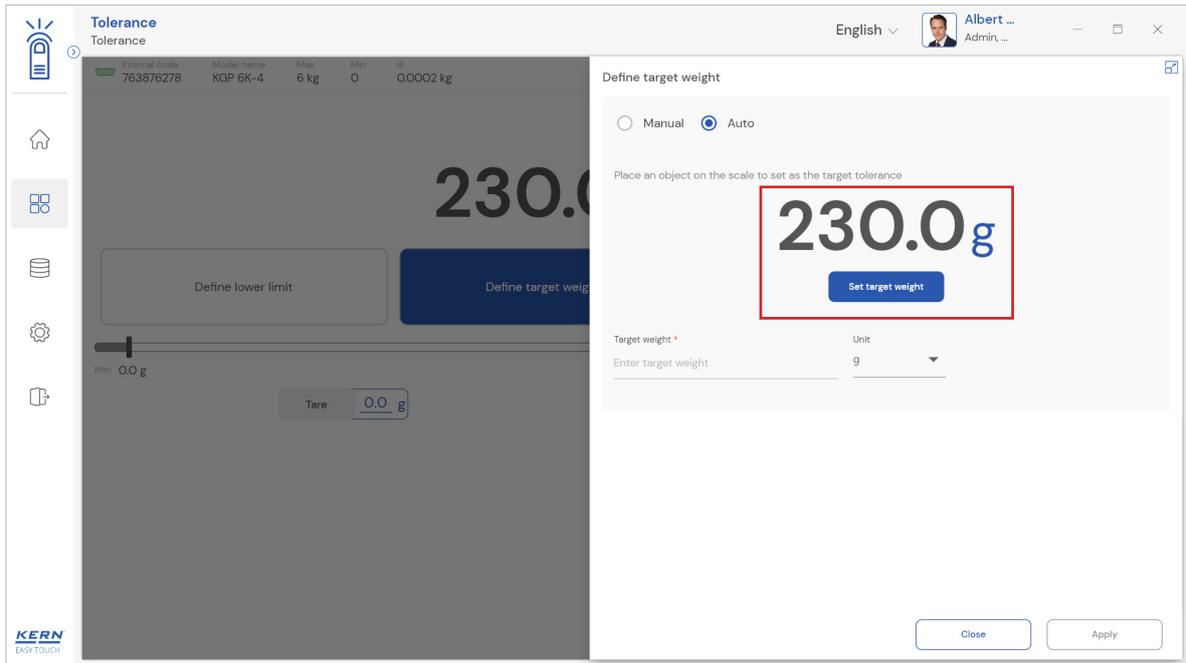


### 3.1.2 Auto

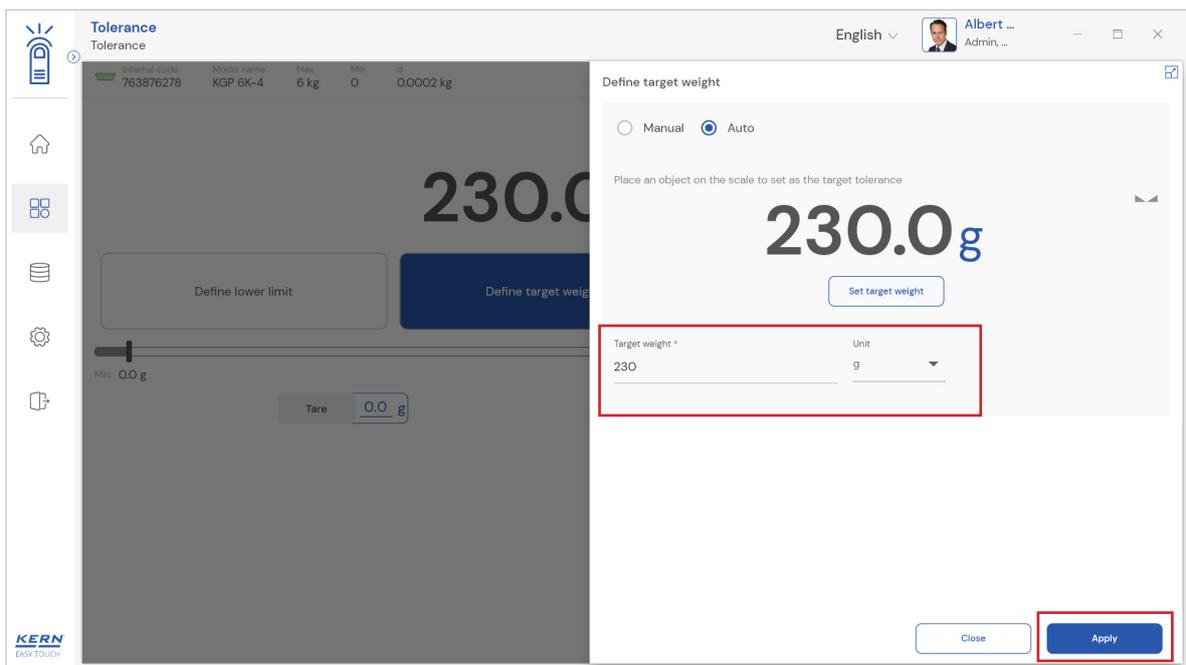
- Click on the “define target weight” to set the target weight and the below screen appears



- Choose the mode as “auto” after placing an object on the scale which acts as a target weight and then set it by clicking on “set target weight”

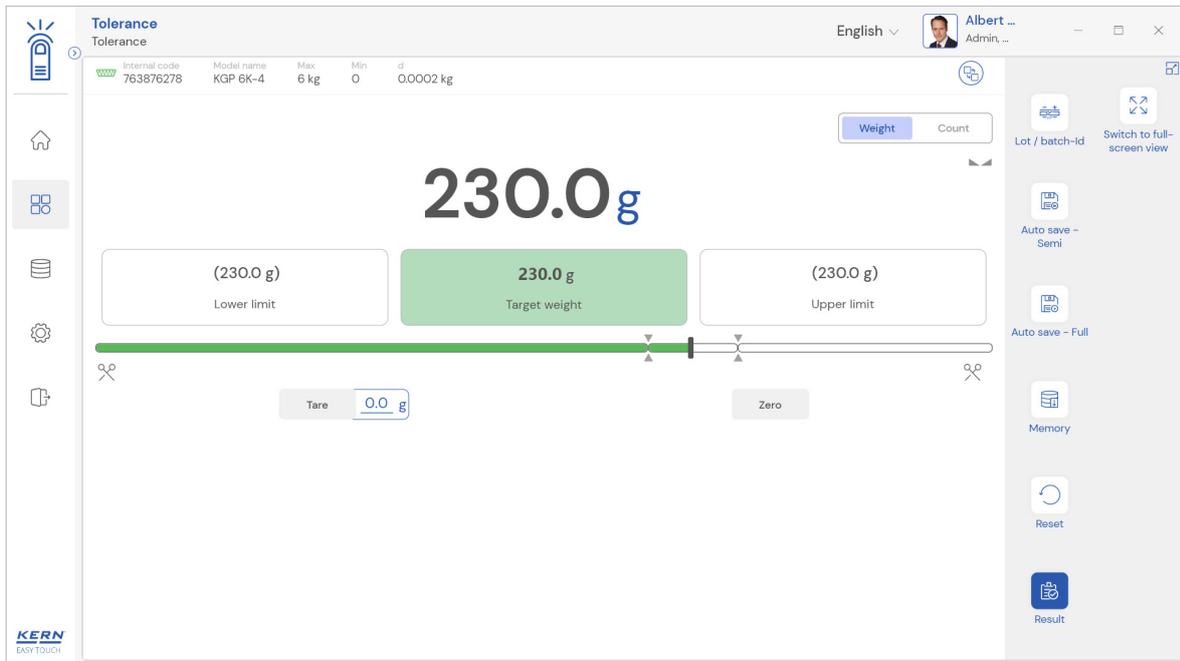


- Choose the respective unit for the target weight



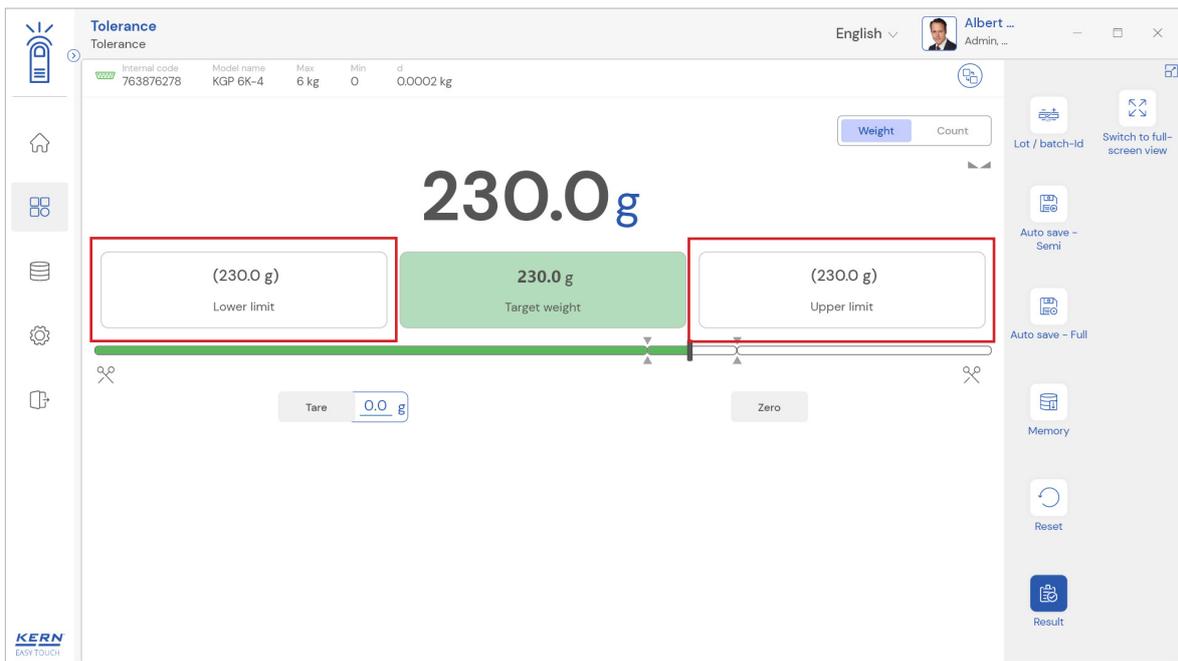
- Save the entry with the button “apply” below right. The target weight is now determined and is displayed

English



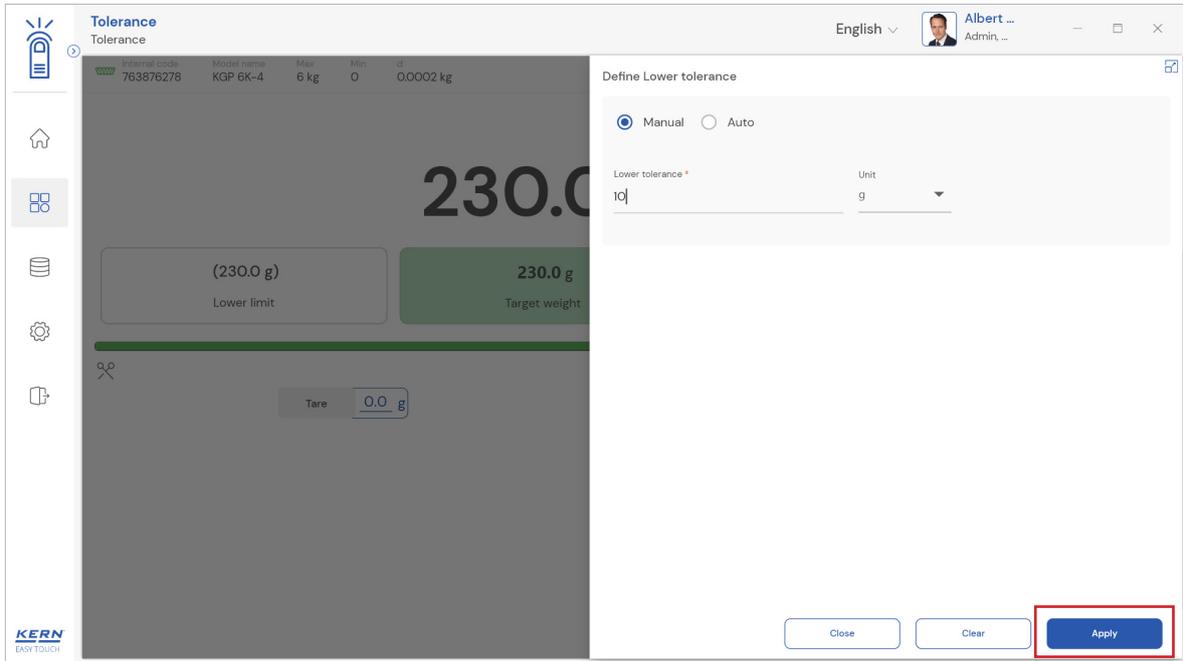
### 3.2 Tolerance limits

- The screen determines the tolerance limits for the weighing products.
- Click on the buttons “upper limit” or lower limit” to set the respective tolerance value. The value can be entered in grams, kilograms or as percent value.

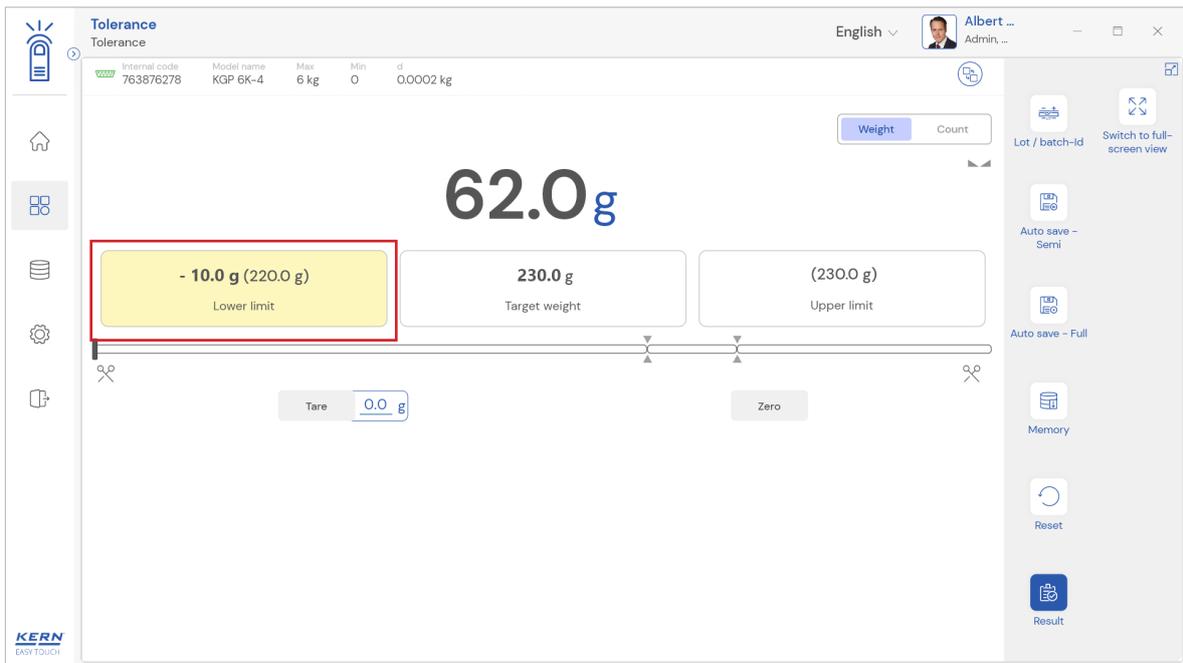


- Now enter the upper limit value accordingly and the unit via manually or auto mode, then click on the apply button. The same procedure to be repeated for the lower limit.
- Now you can start weighing.

English

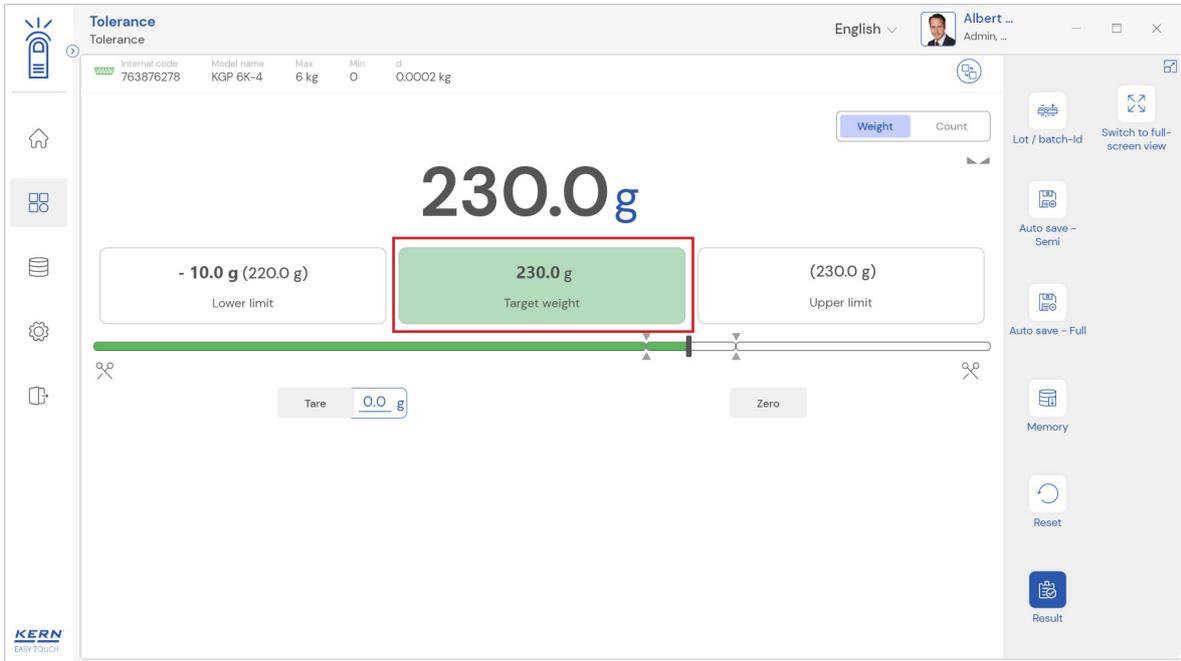


- The container would be displayed in yellow in case the weight on the scale is being less than the lower tolerance value and the result is determined to be not ok

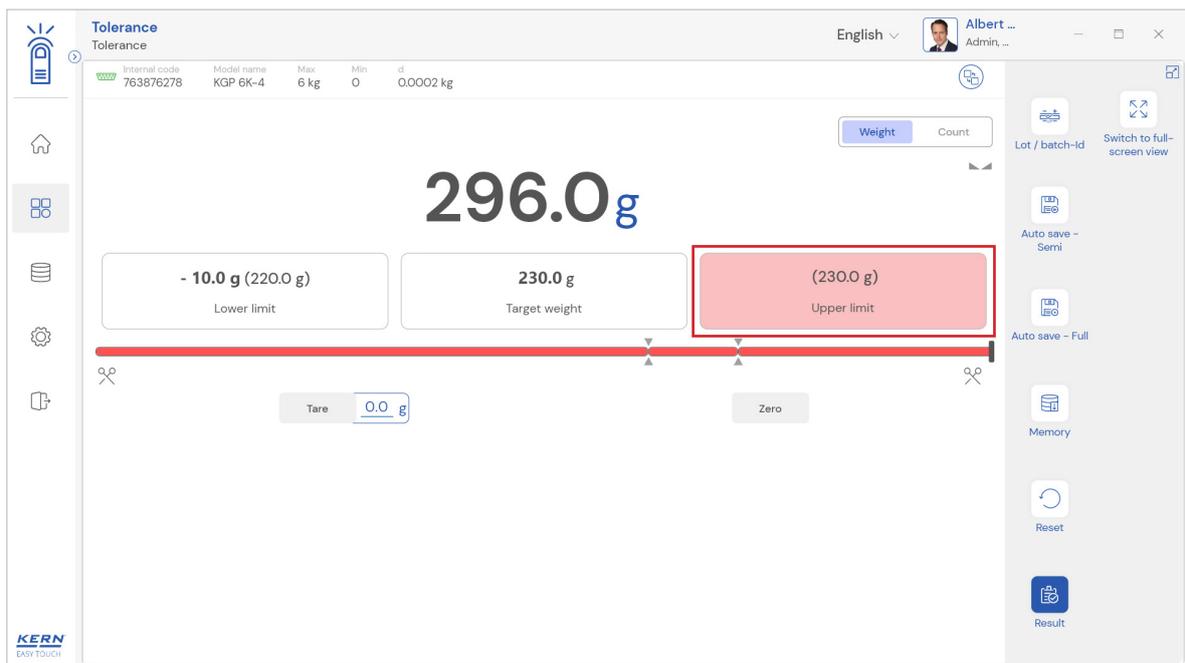


- The container would be displayed in green in case the weight on the scale is within the tolerance limits and the result is determined to be ok

English

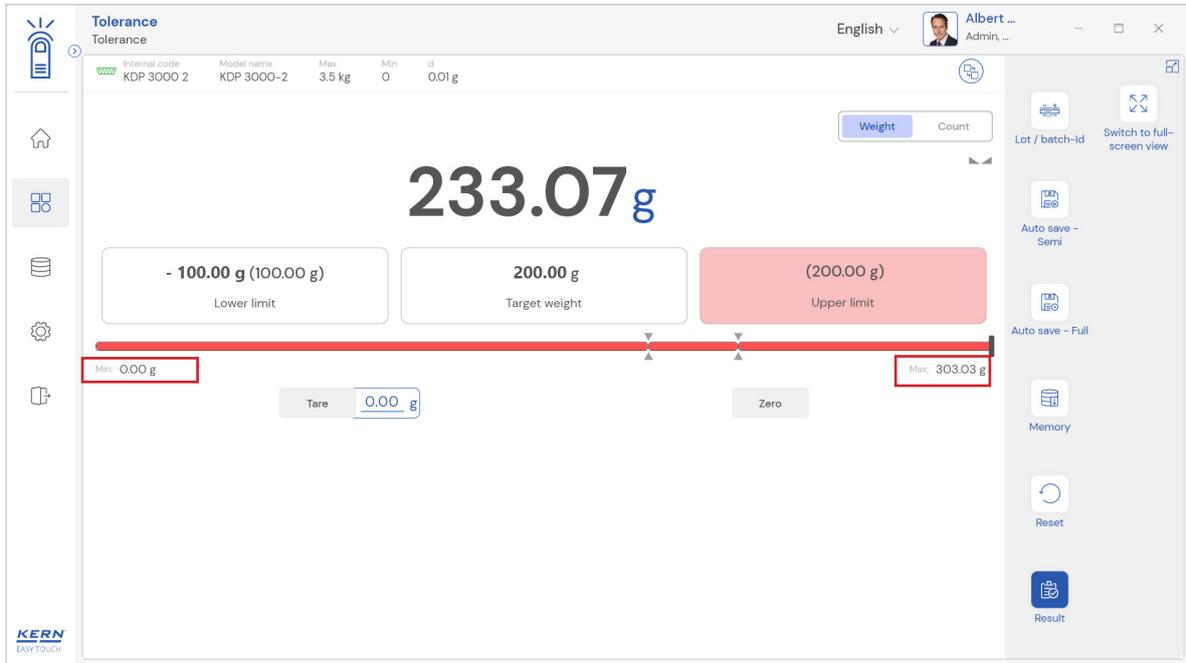


- The container would be displayed in red in case if the weight on the scale is being greater than the higher tolerance value and the result is determined to be not ok



- The target weight can be reached by carefully adding or removing weighing good.
- The max and min values will be recalculated based on the target value and the defined tolerance. These values have been emphasized to show the user a precise reading for the clear understanding. This mechanism of recalculation is completely purposeful when the user is dealing with the smaller weight changes and the variations.
- Click on the scissors to view the recalculated min and max value.

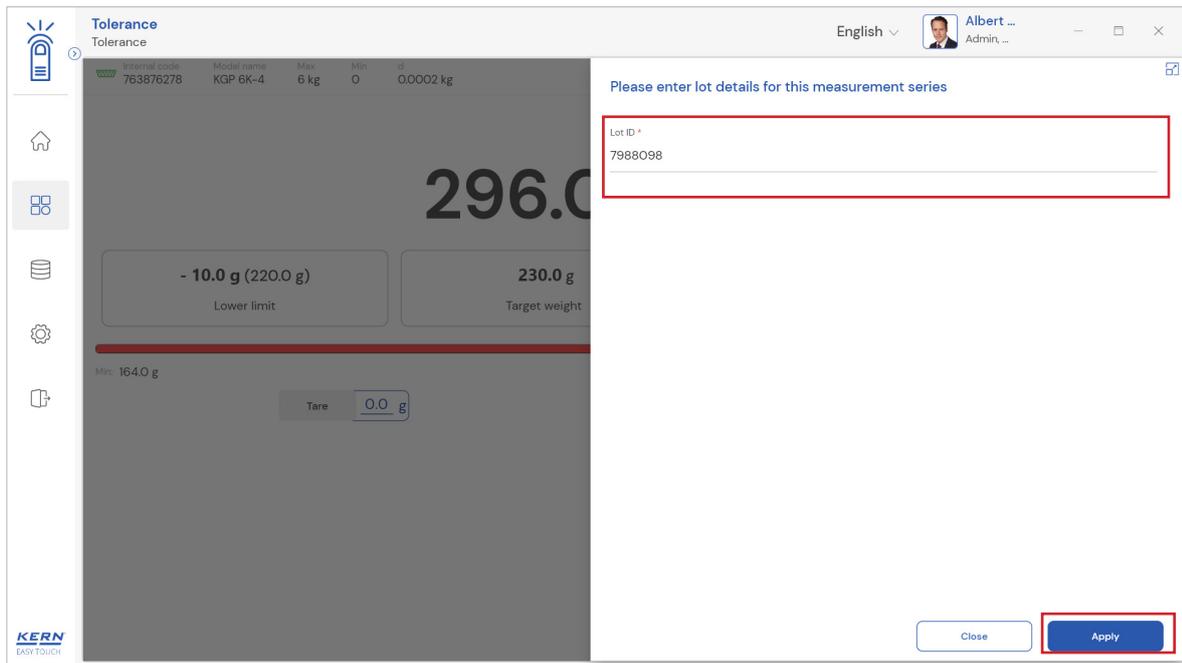
English



### 3.3 Lot/ batch Id

Click on the “lot / batch id” and the screen for entering the a lot ID to the current measurement is been displayed.

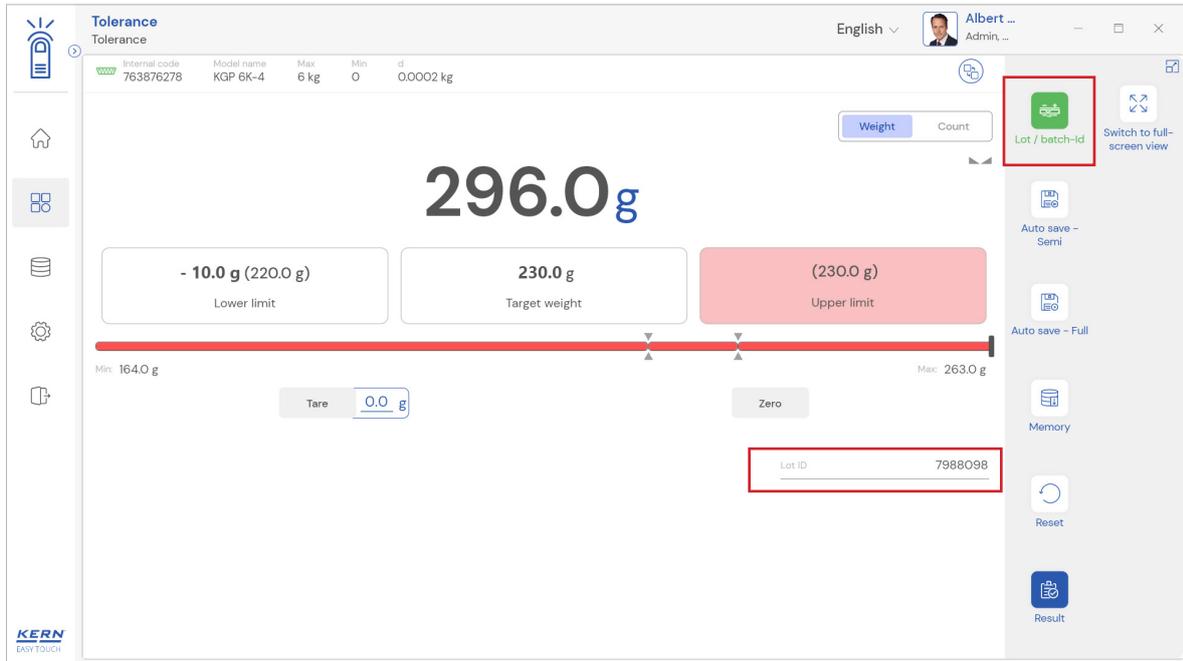
This lot id must stay unique and can be searched in the dynamic database.



**Apply:** Clicking on apply will update the provided details for the current batch in progress and will be displayed in the dosing screen.

Additionally in the menu this “Lot / Batch ID” is displayed green.

English

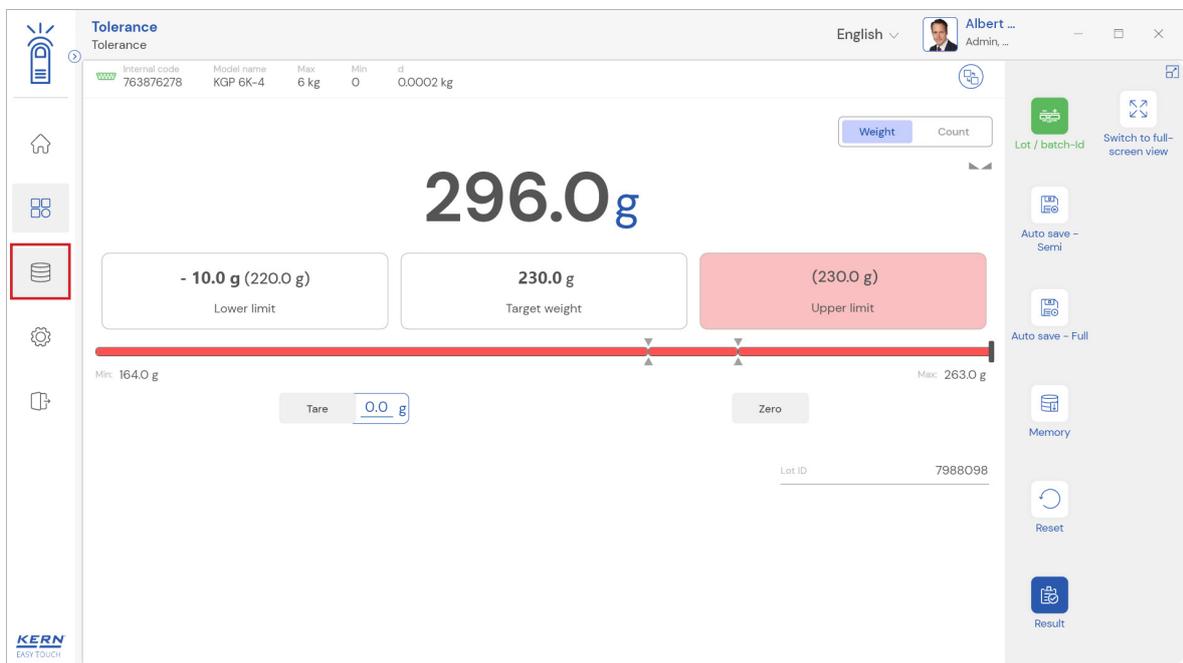


### 3.4 Memory

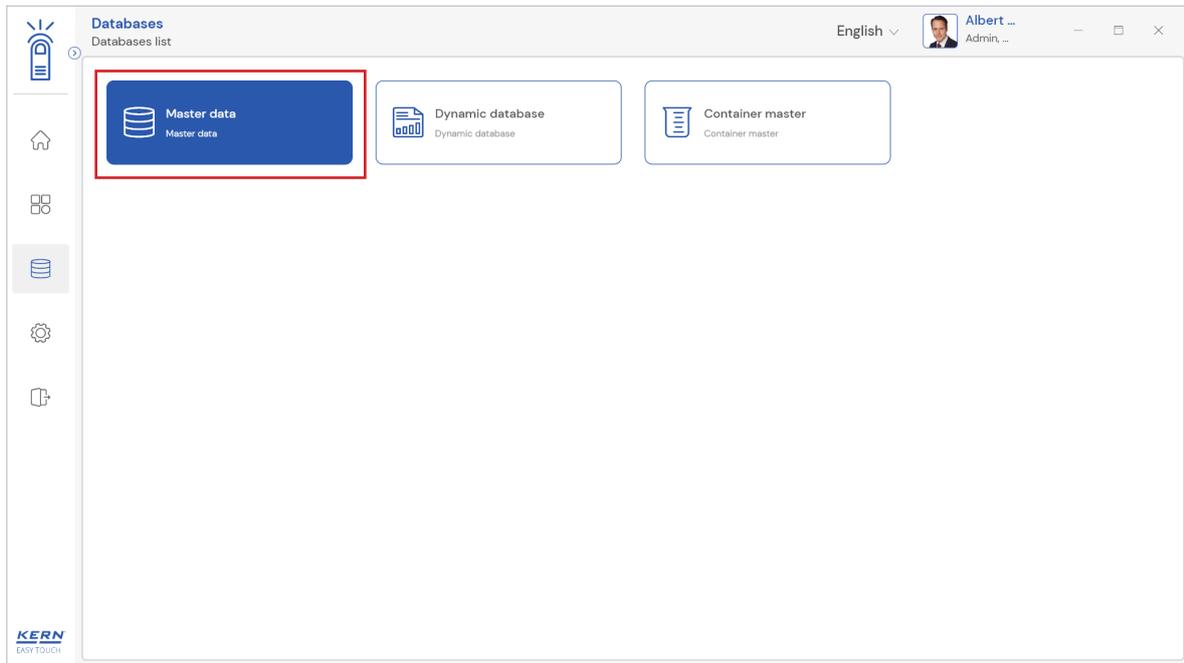
The user might be able to pick an object from the memory where the user can predefine list of objects what you use frequently. The object in the memory can be reutilized.

#### Steps to be followed to create a master data with functional properties

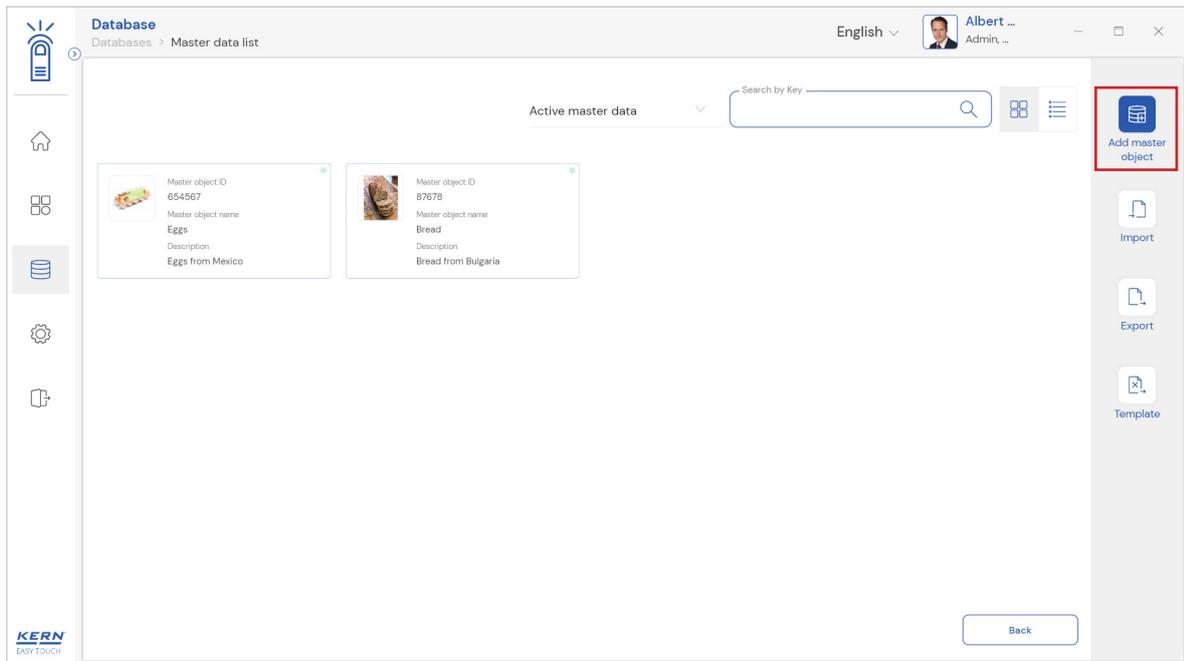
- Click on the database icon and redirect to the master data.



- The below screen would be displayed. The user might be able to see the list of master data objects created here

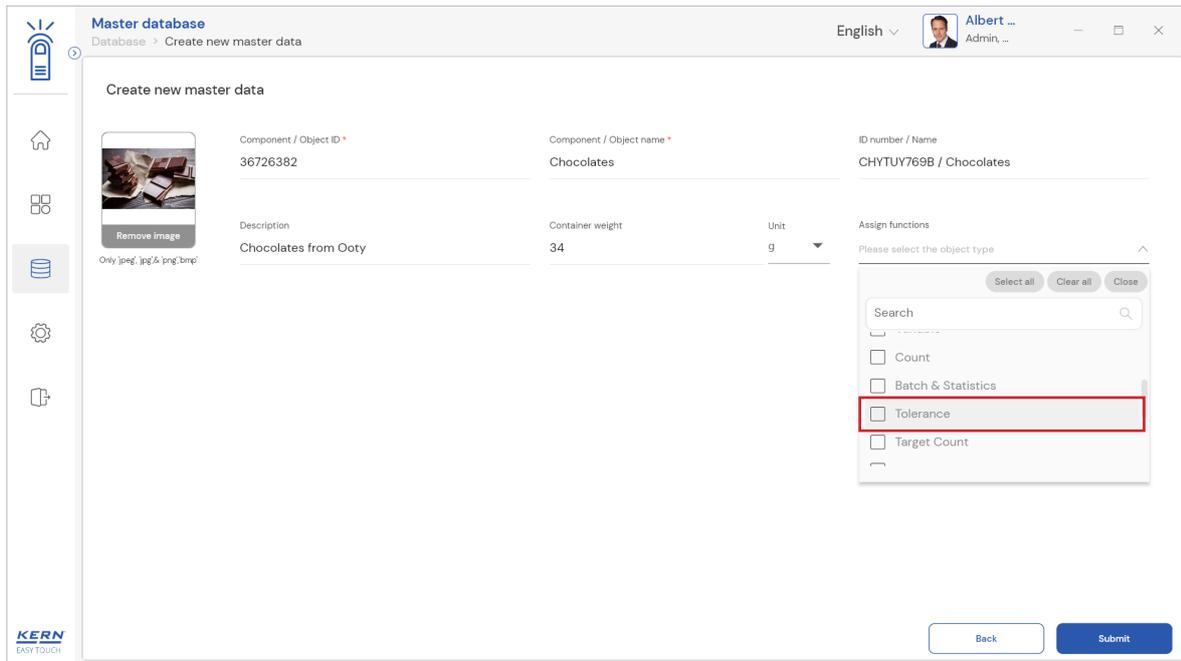


- The user can click on the “add master object” to create a new master object

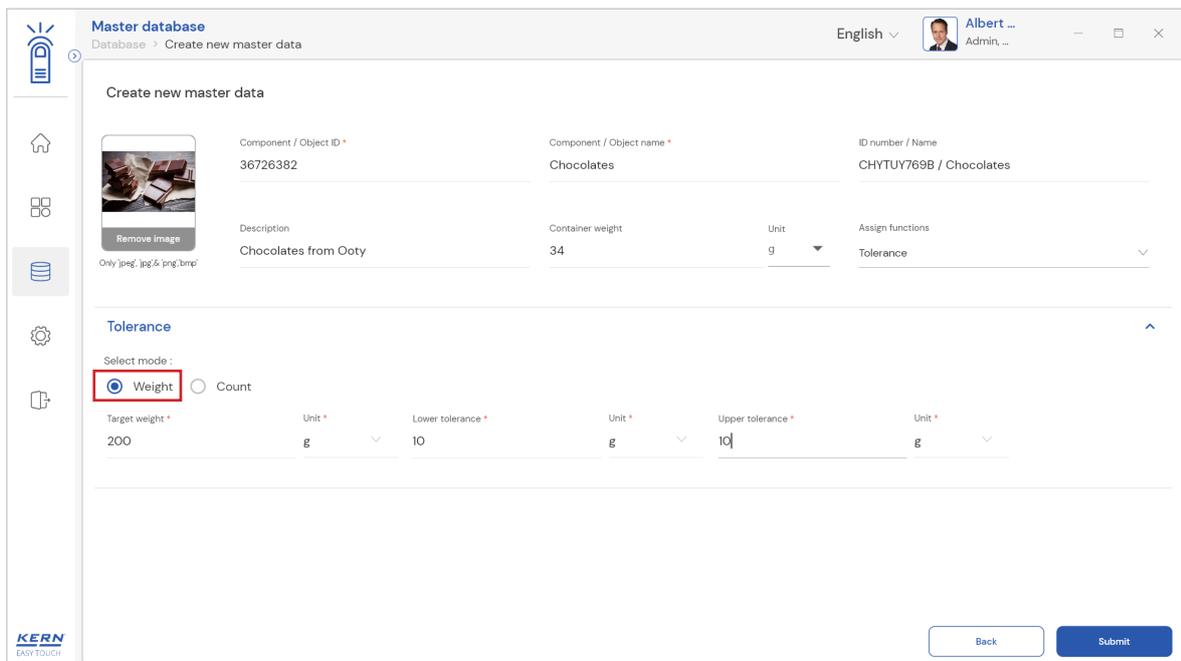


- The user can fill in the information as such component / object ID, component / object name, ID number / name, description, container weight and the image for the reference.

English

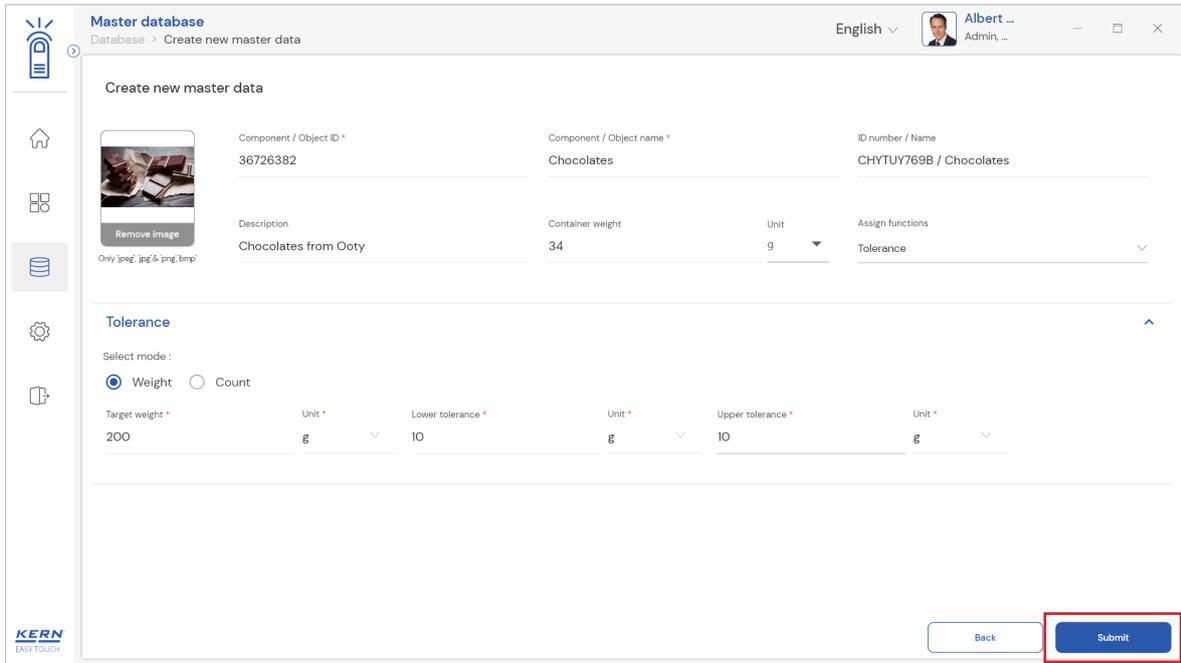


- Now user can select the required function “tolerance” to utilize the properties.

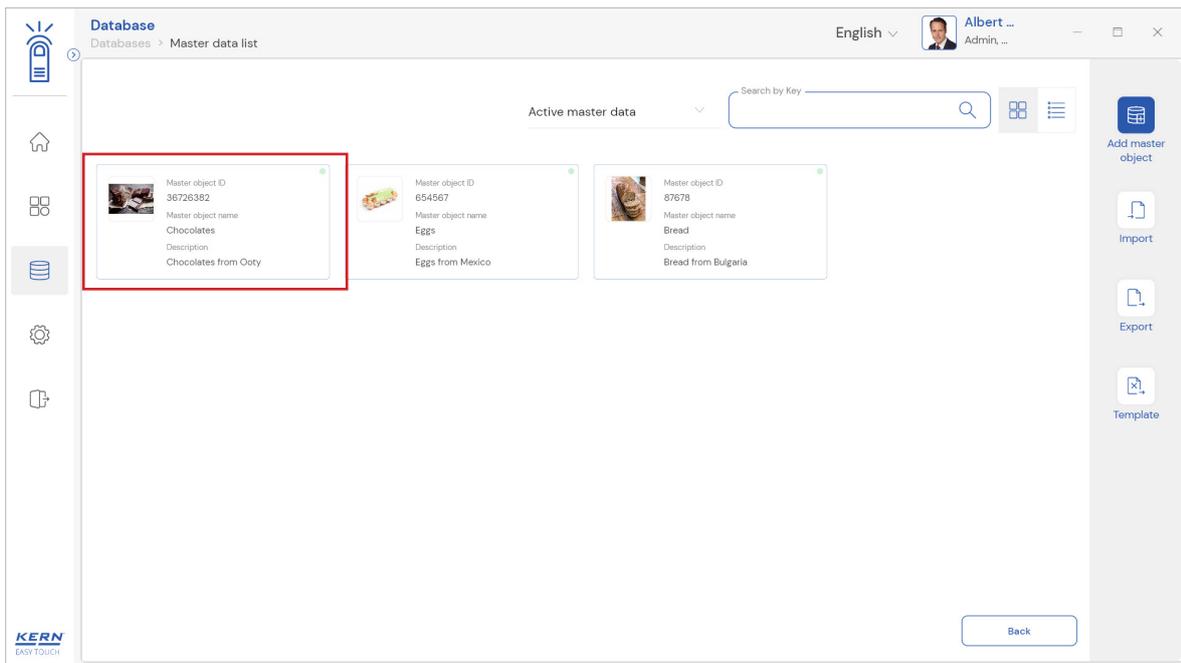


- Upon clicking the function, the functional properties would be displayed.
- Choose the mode as “weight” and enter the respective values for target weight, lower and upper tolerance.
- Choose the respective units and click on submit to save the master object.

English



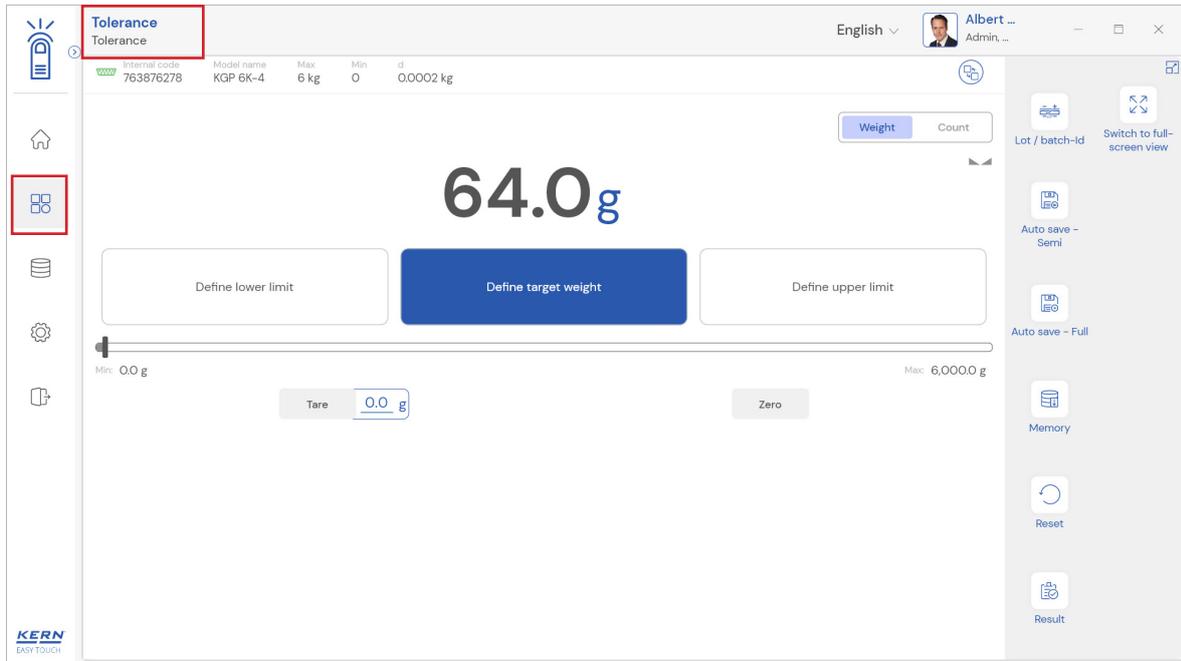
- The master object data is being saved and user could be able to view the created master object.



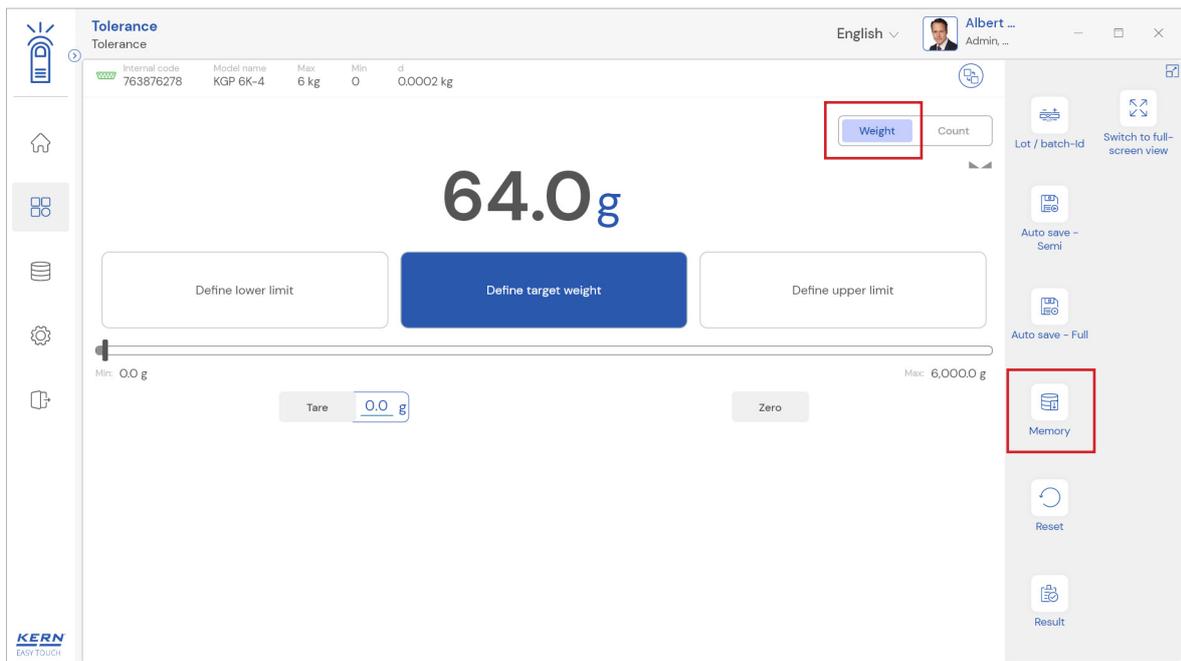
**Utilize the master data in the function**

- Now redirect to the function “tolerance” to utilize the created master data

English

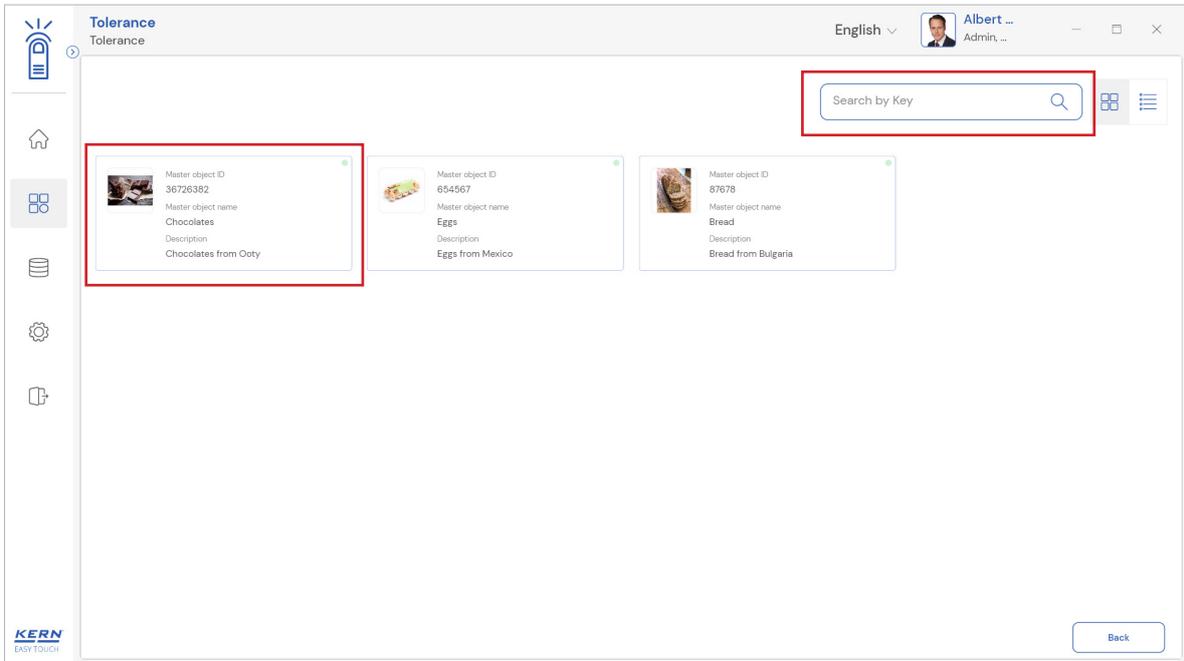


- Choose the mode as “weight” and click on the memory and the user will be taken to the master memory to pick from the list of objects predefined. User can click on the required object to be weighed.

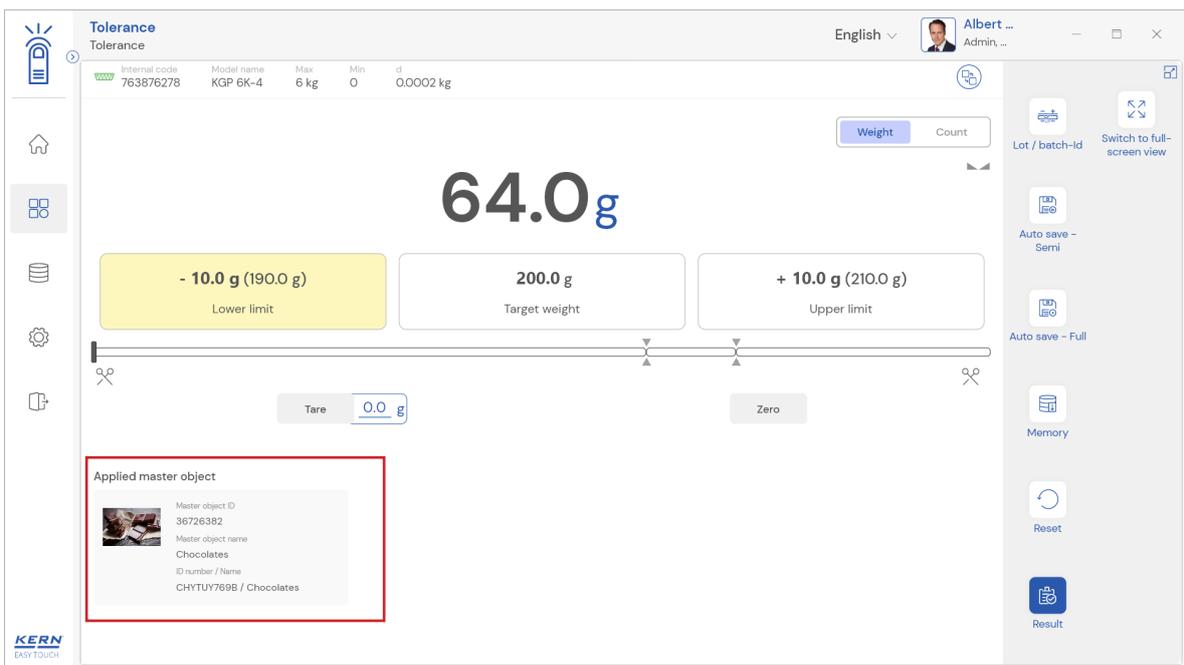


- User will be provided with the search option to search the required weighing object.
- User will be redirected to the weighing screen upon clicking the required object.

English

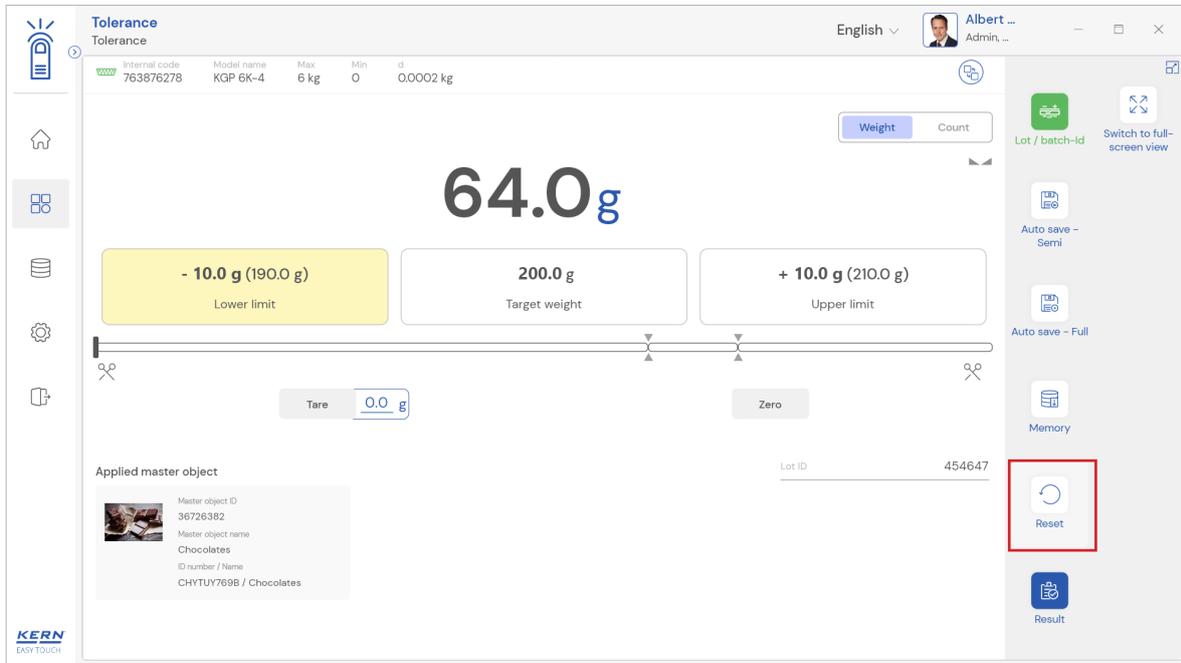


- The master object would be added here, and the respective target weight will also be reflecting in the function upon applying the master data with the defined properties.

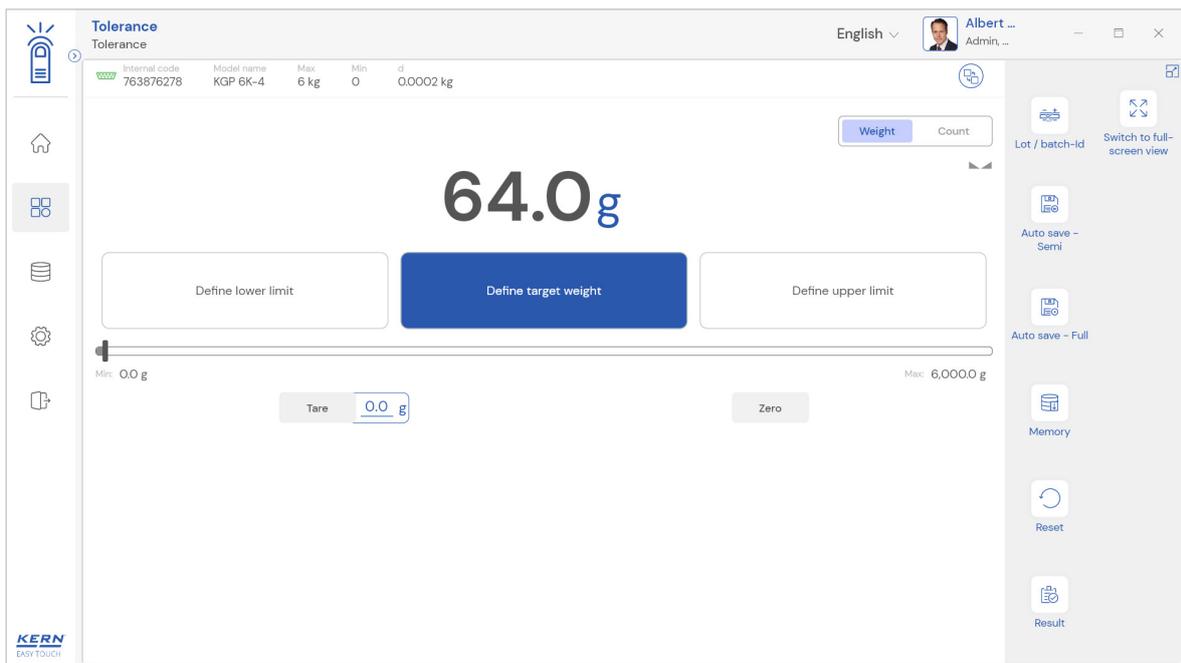


### 3.5 Reset

The purpose of reset is to clear the stored readings.

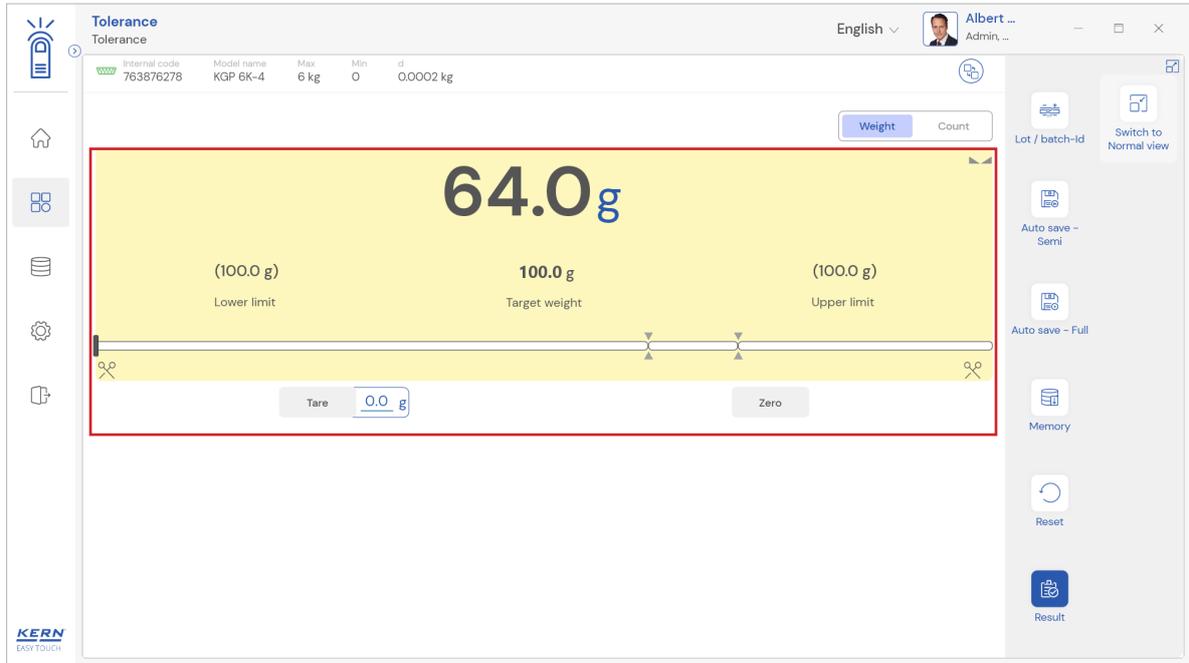
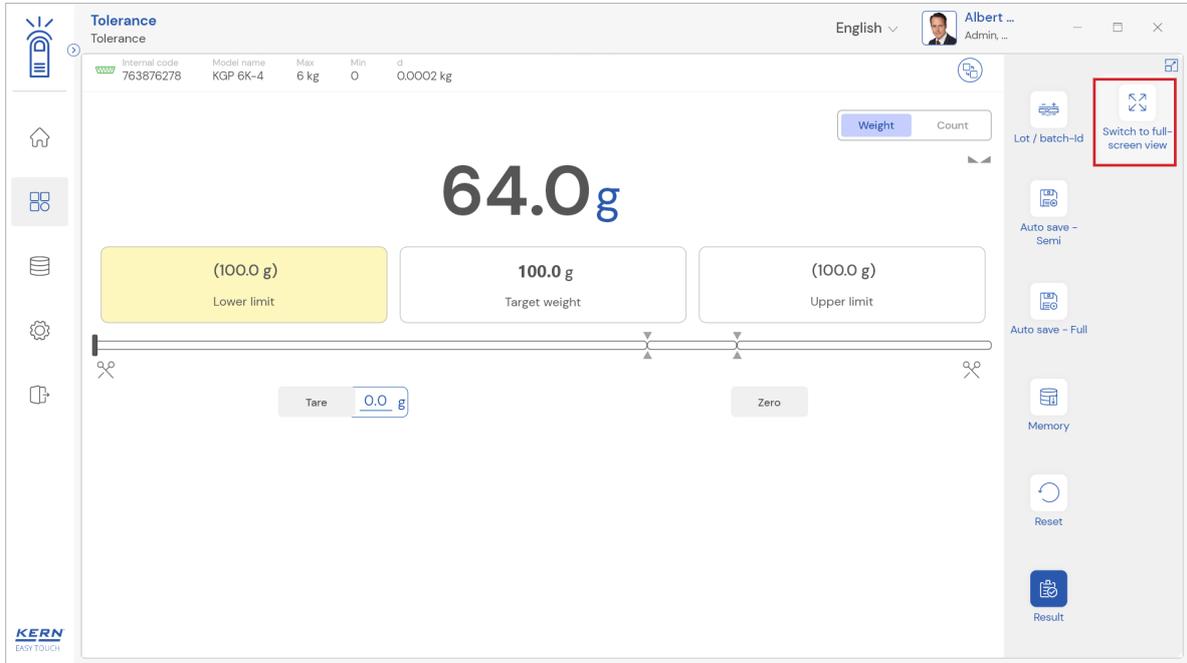


Upon clicking the reset, system will reset all the weighed data and the master data applied and will be ready to perform the new operation



### 3.6 Full screen view

Click on the “switch to full screen view” after entering the target weight, the user gets the below screen where the user can be able to view the result data in prominent view even from long distance.



English

### 3.7 Auto save

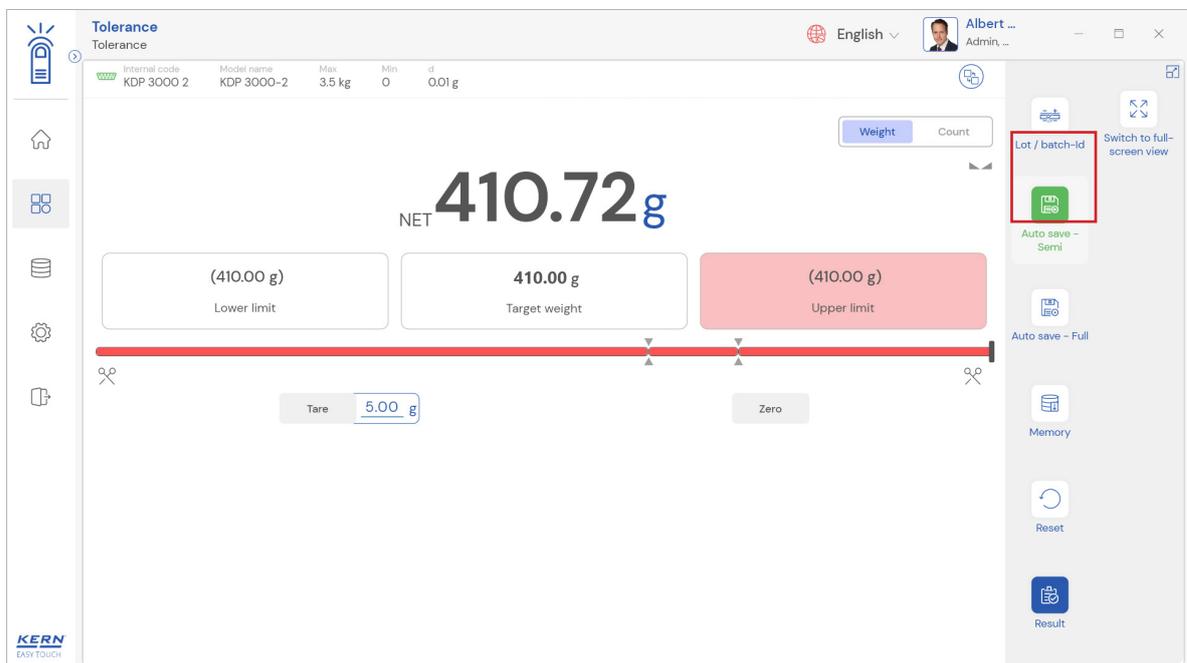
#### 3.7.1 Auto save semi

- The purpose of auto save semi is to avoid pressing the result button once the measurement is done.
- The user will be automatically redirected to the result screen upon loading and unloading of the weight (until reaching zero) and stabilization of the object placed on the weighing scale
- This might be useful in reducing the work of operators as they might not need to press the result button all time

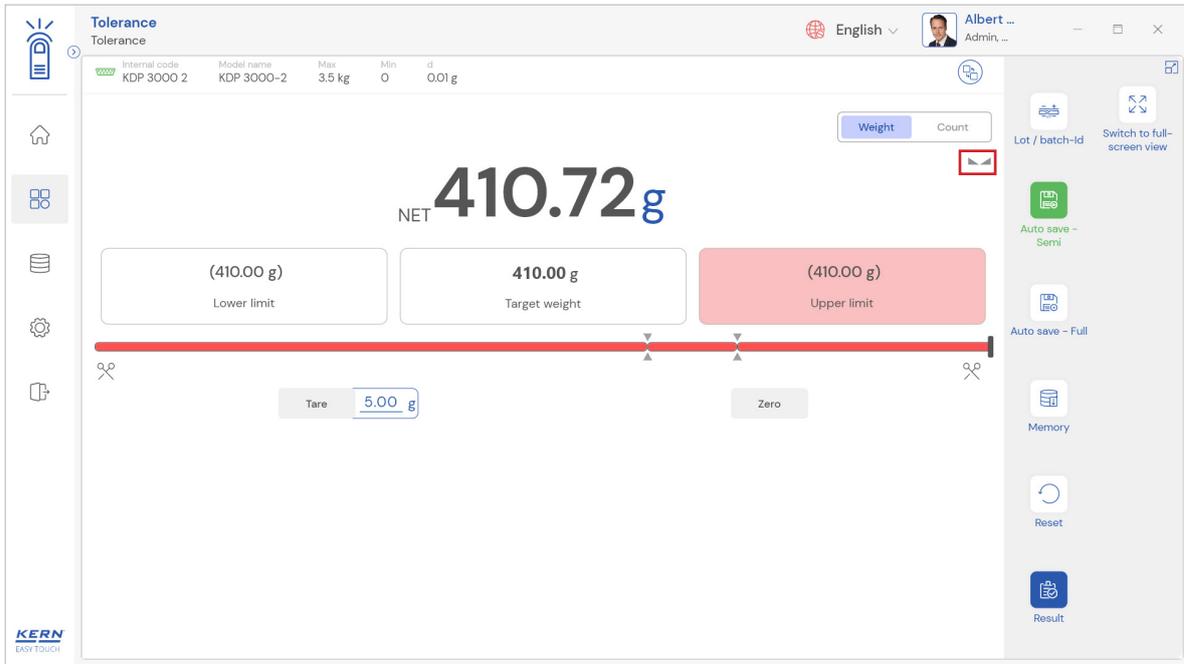
#### Steps to be followed:

Step 1: Enable auto save semi after defining the class

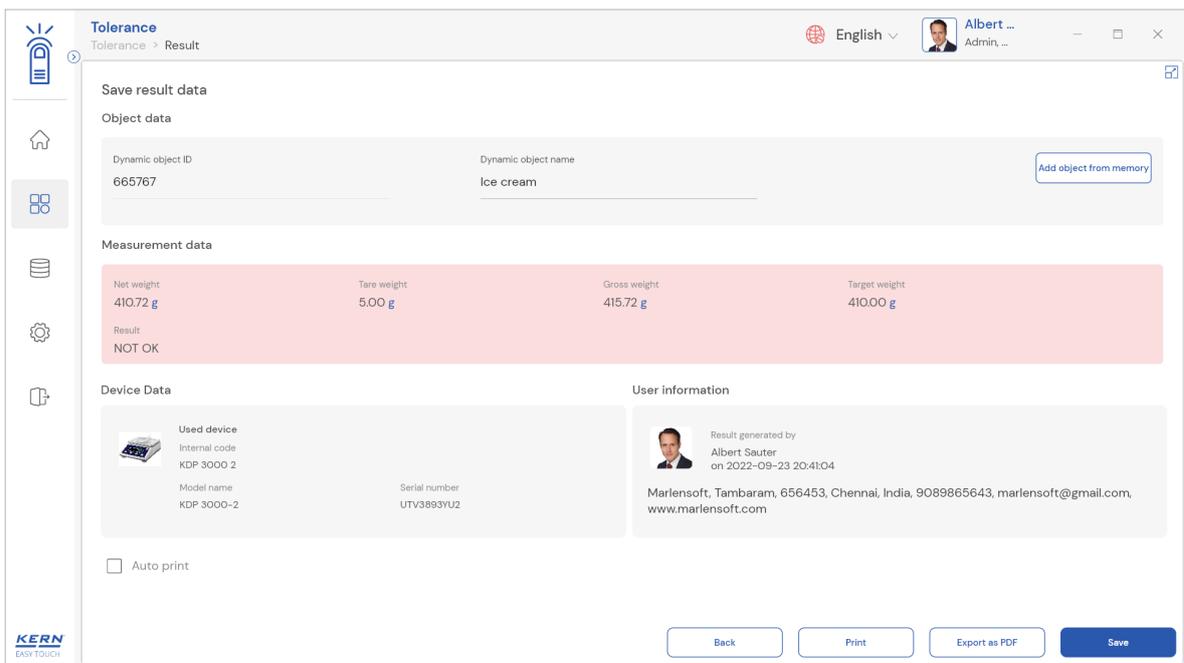
Step 2: Place the objects that are required to be weighed and to check whether the weight placed is inside the target.



Step 3: Wait until the weight on the scale is stabilized



Step 4: The user will be automatically taken to the result screen

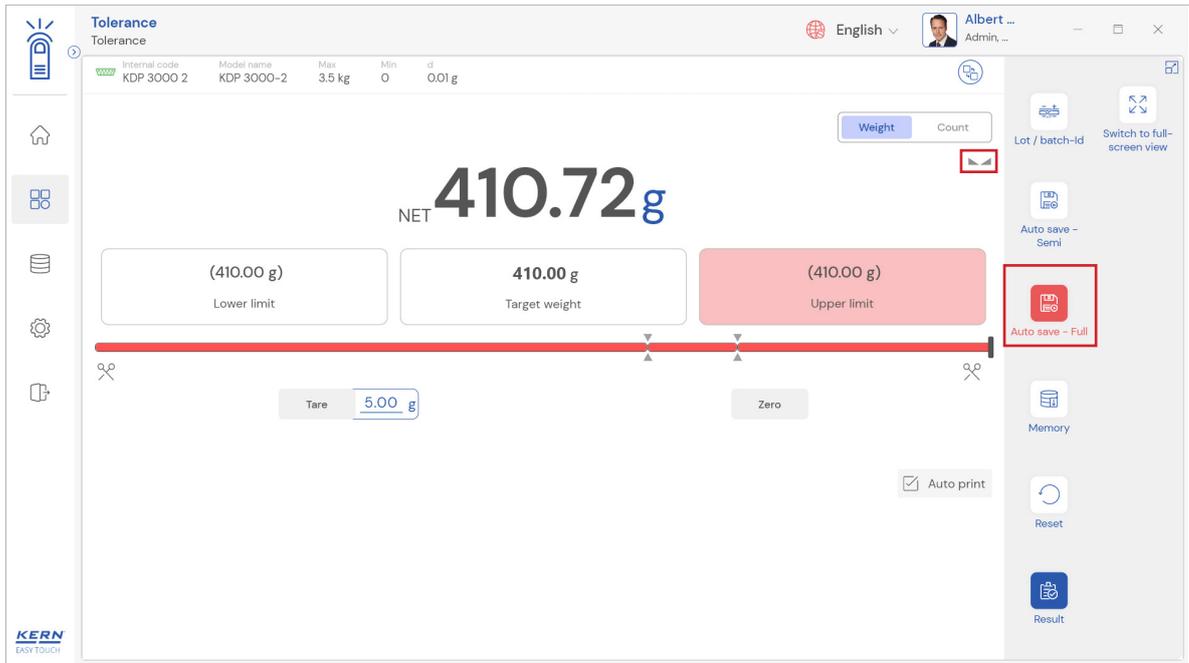


### 3.7.2 Auto save full

- The purpose of auto save full is to save the result automatically without moving to the result screen every time once the measurement is done.
- The system will be automatically saving the result data in the dynamic database upon loading and unloading of the weight (until reaching zero) and stabilization of the object placed on the weighing scale.
- This might be useful in case if the operators in the industries are handling chemicals and might not be able to touch the application screen due to grease or other conditions.

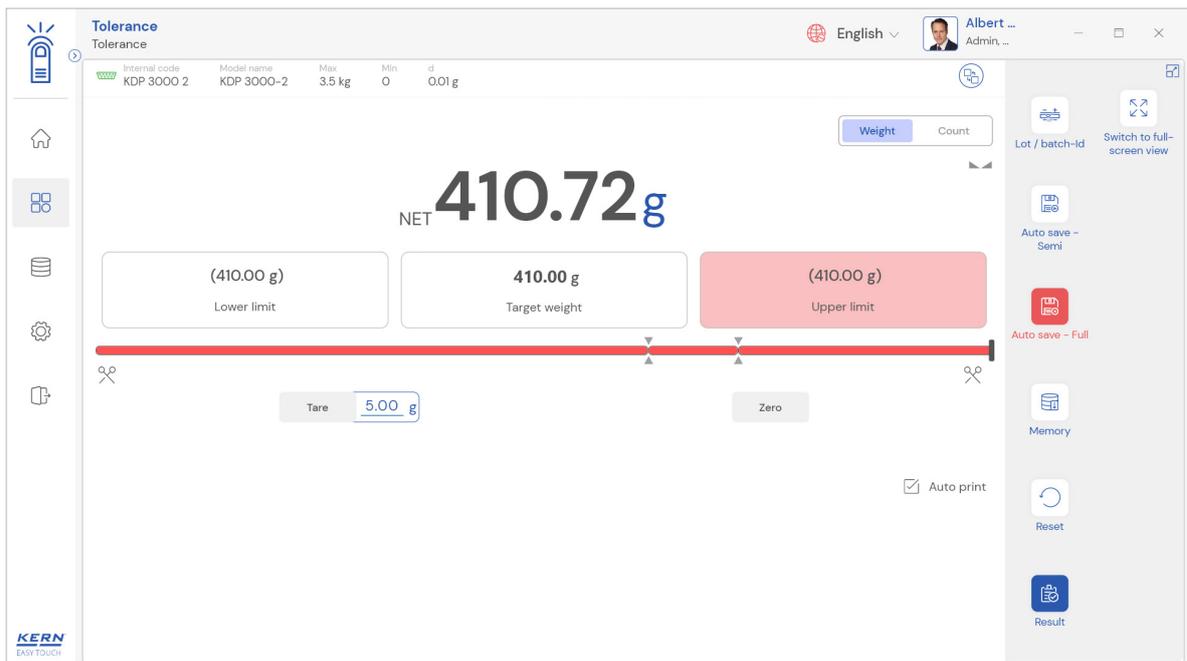
#### Steps to be followed:

Step 1: Enable auto save full



Step 2: Place the objects that are required to be weighed and to check whether the weight are inside the tolerance limits

Step 3: Wait until the weight on the scale is stabilized

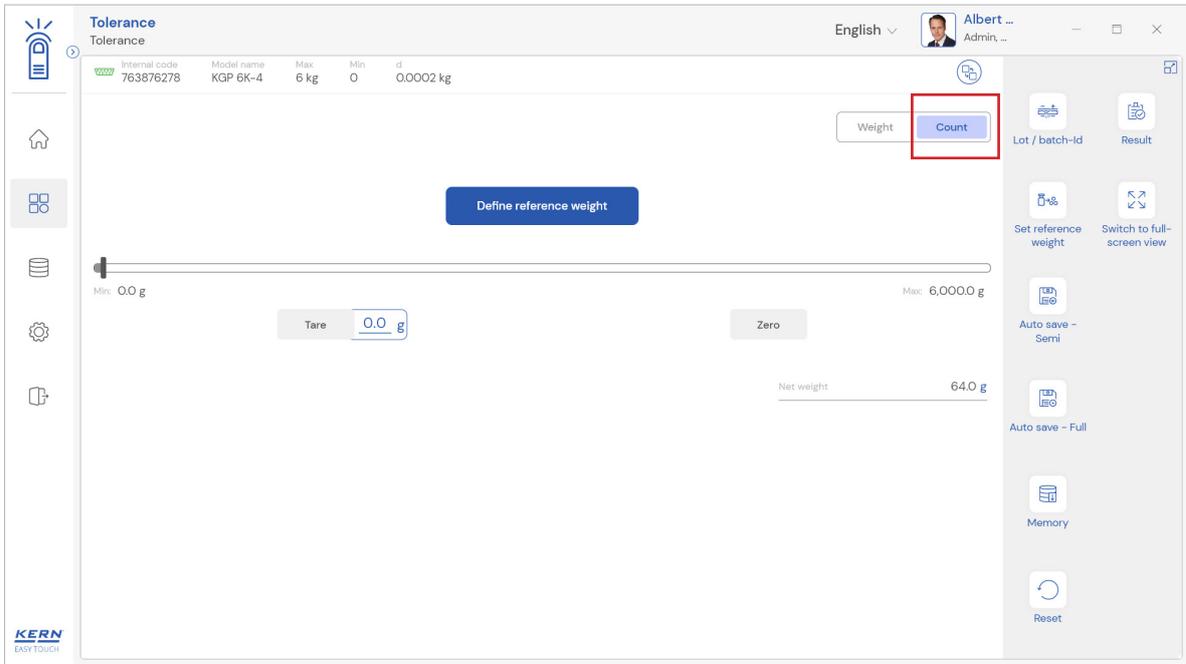


Step 4: The system will automatically save the result in dynamic database.

**Mode: count**

The count mode offers the possibility to determine the target of delivery quantity and the tolerance based on the pieces count. The user can define the tolerances in terms of pcs or % for the delivery quantity that is used to trigger the delivery process.

- The start screen for this function appears, and the user could be able to toggle between the two modes weight and count
- Choose the mode as “count”

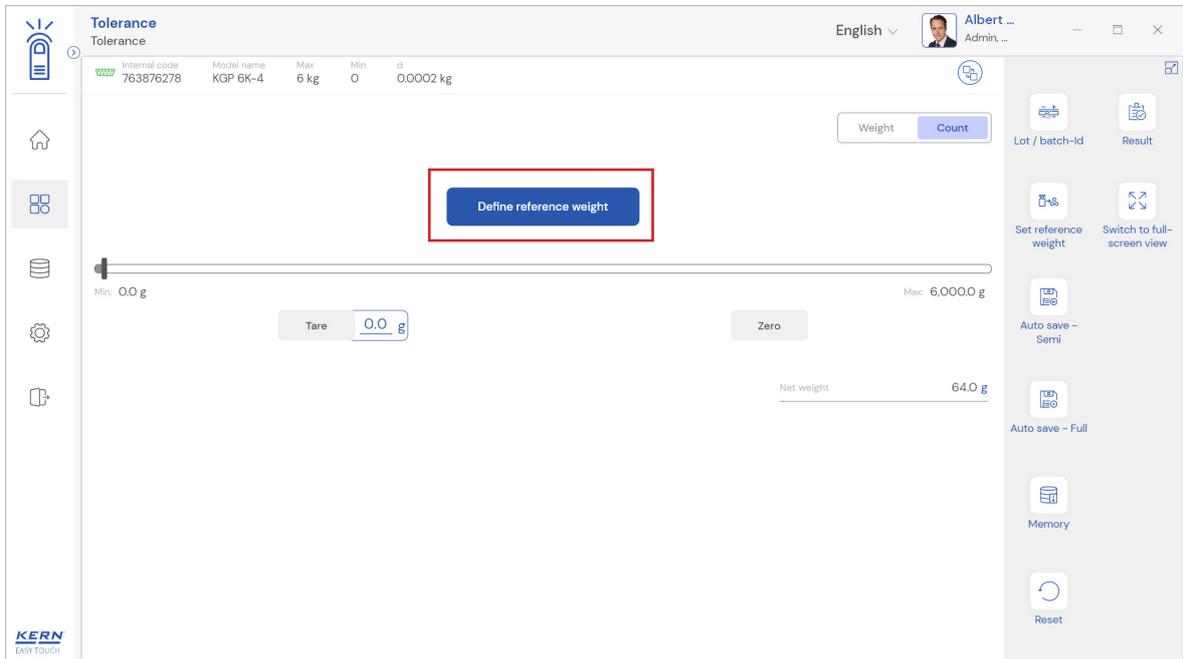


### 3.8 Defining the target weight and target in pieces

There are two ways to define the reference weight via manually or automatic.

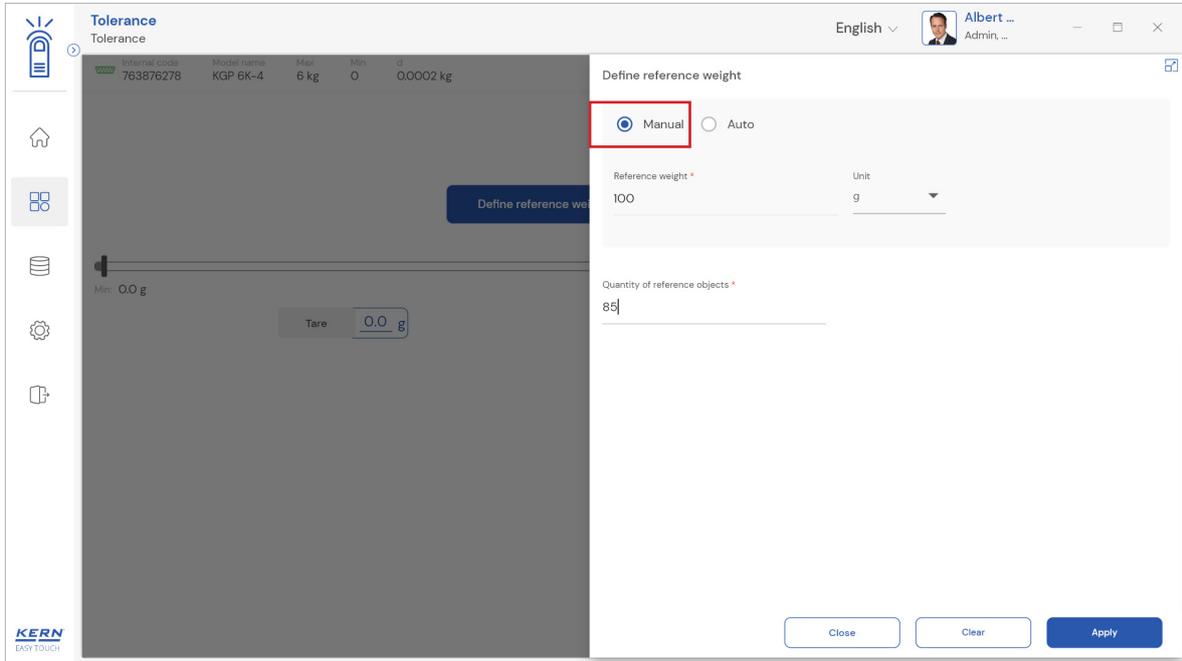
#### 3.8.1 Manual

- Click on the “define reference weight” to set the reference weight

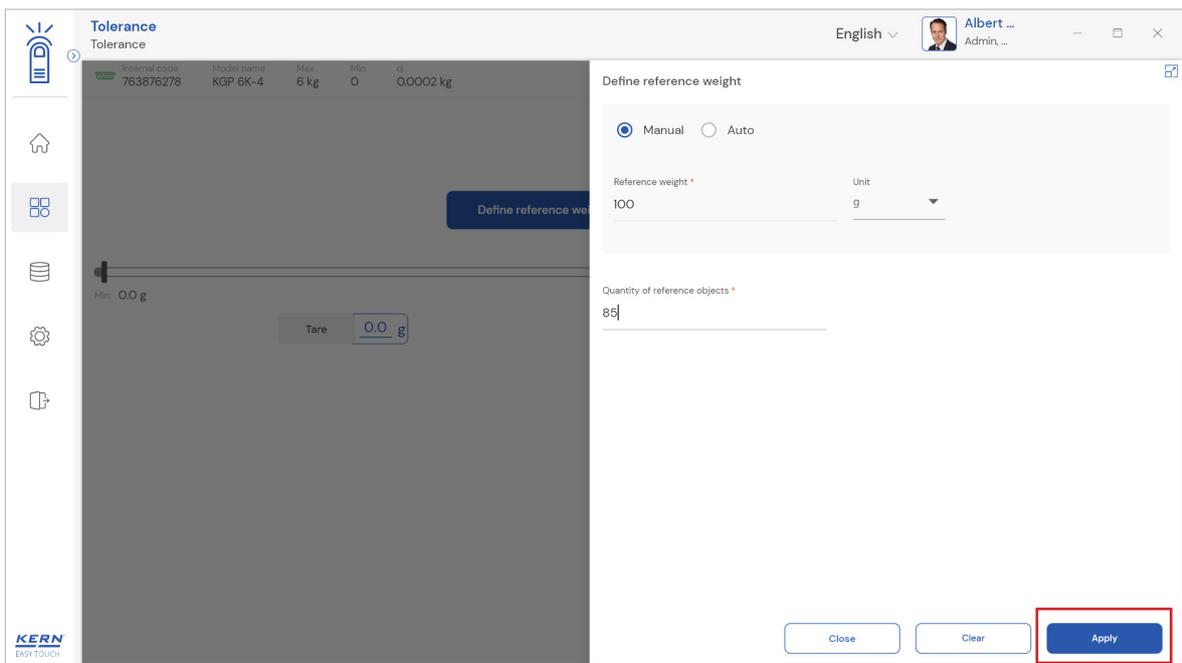


- Choose the mode as “manual” and enter the reference weight, quantity of reference objects and the respective unit.

English

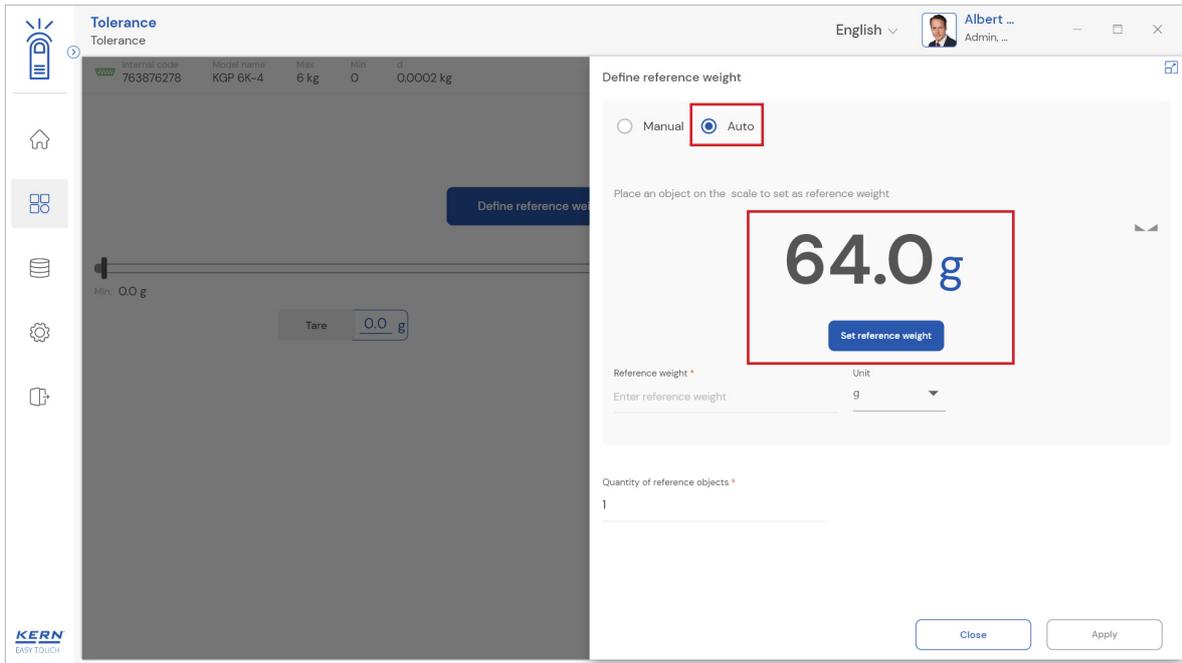


- Save the entry with the button “apply” below right. The reference weight is now determined and is displayed

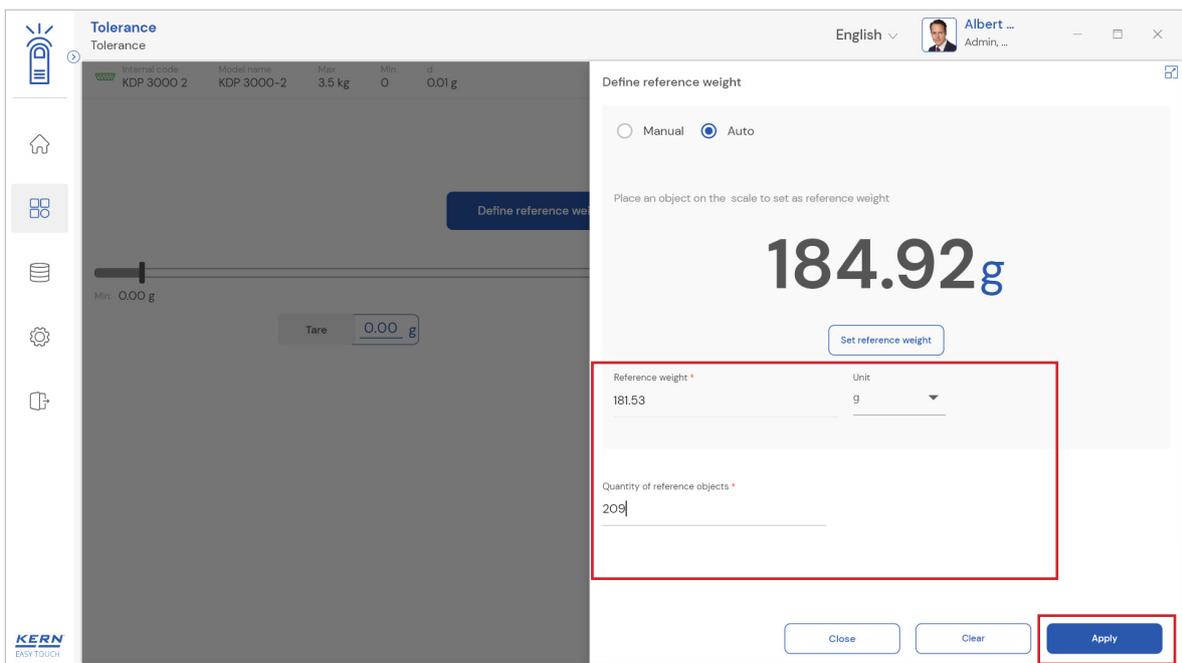


### 3.8.2 Auto

- Click on the “define target weight” to set the target weight and the below screen appears
- Choose the mode as “auto” and then place an object on the scale which acts as a reference weight.

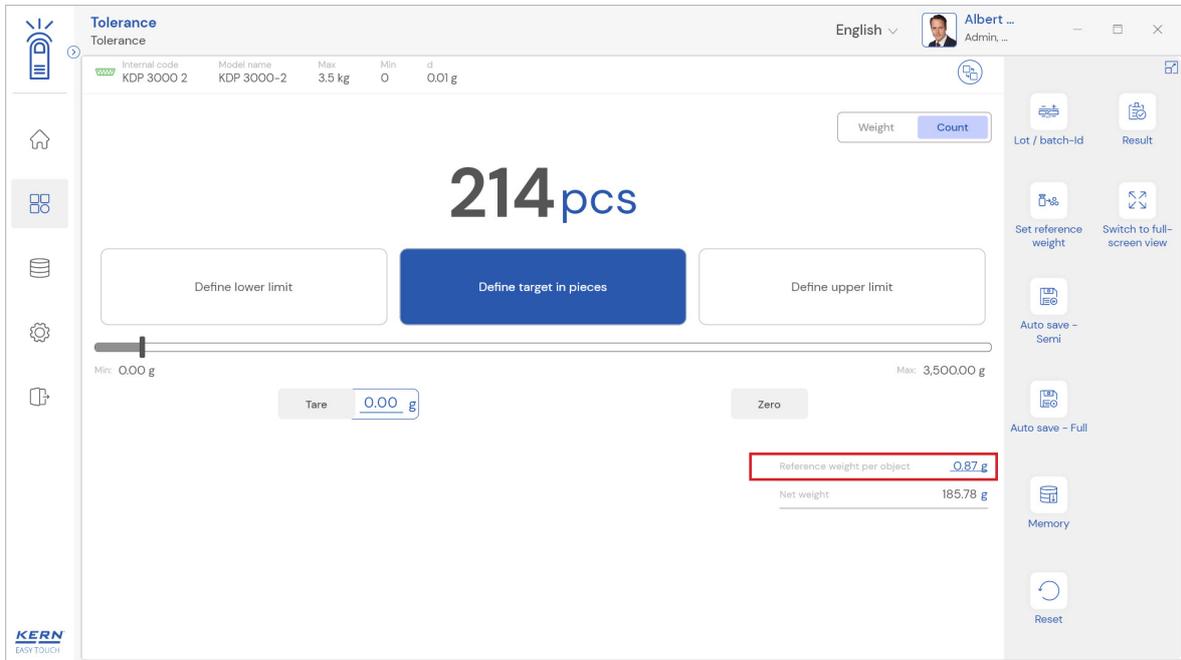


- Click on the “set reference weight” to set the placed object as an reference



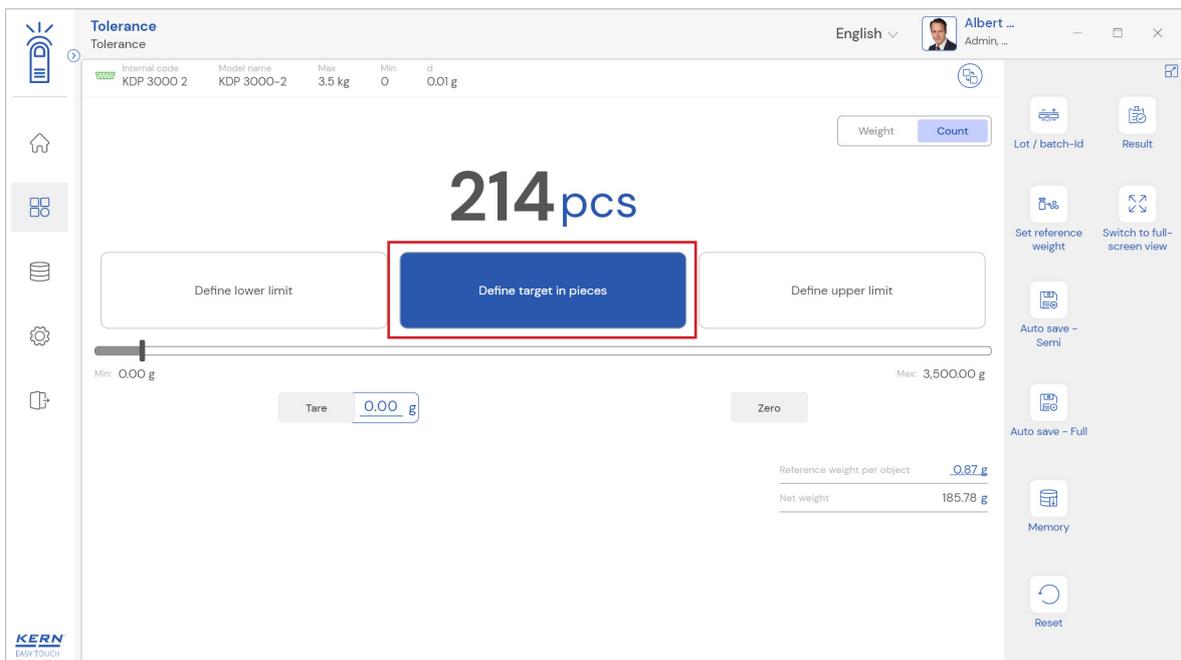
- Enter the quantity of reference objects and save the entry with the button “apply” below right. The reference weight is now determined and is displayed

English

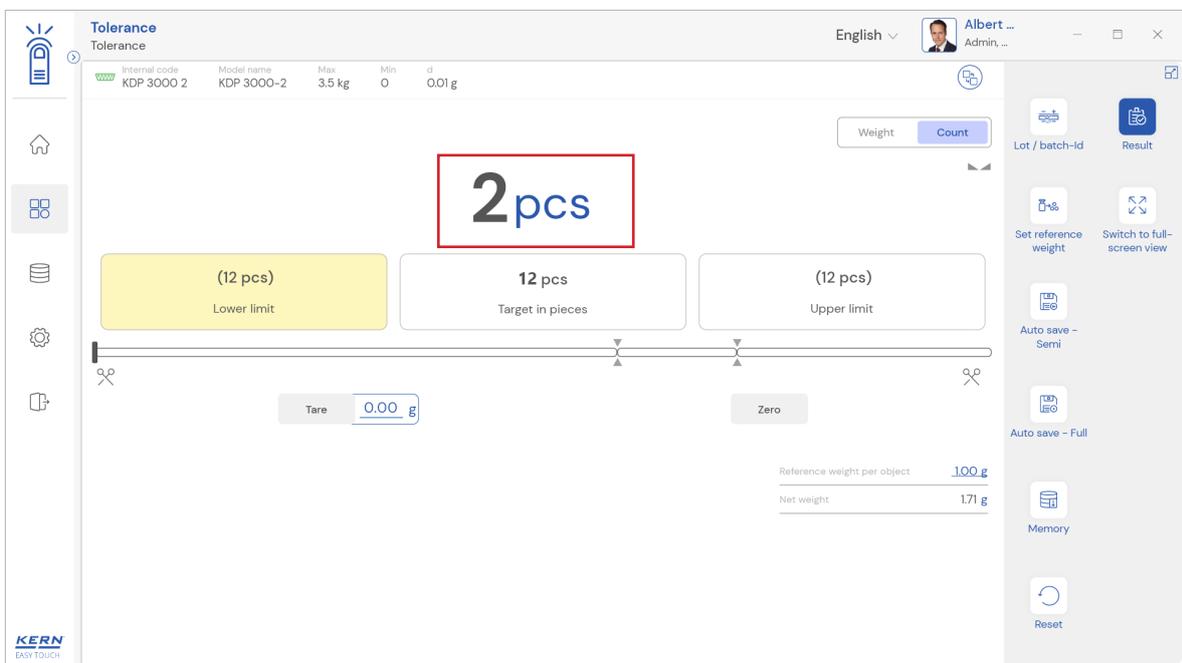
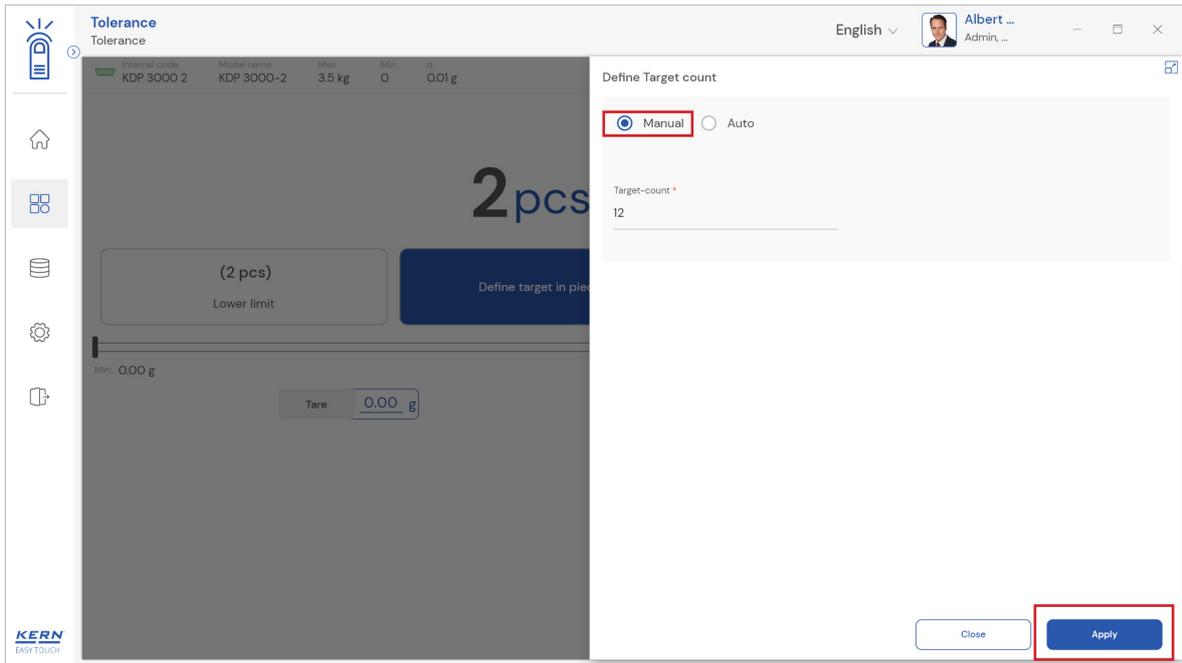


### Defining the target count

- There are two ways to define the target quantity via manual and auto methods.
- Click on the “define target in pieces” to define the target count required and the below screen appears.



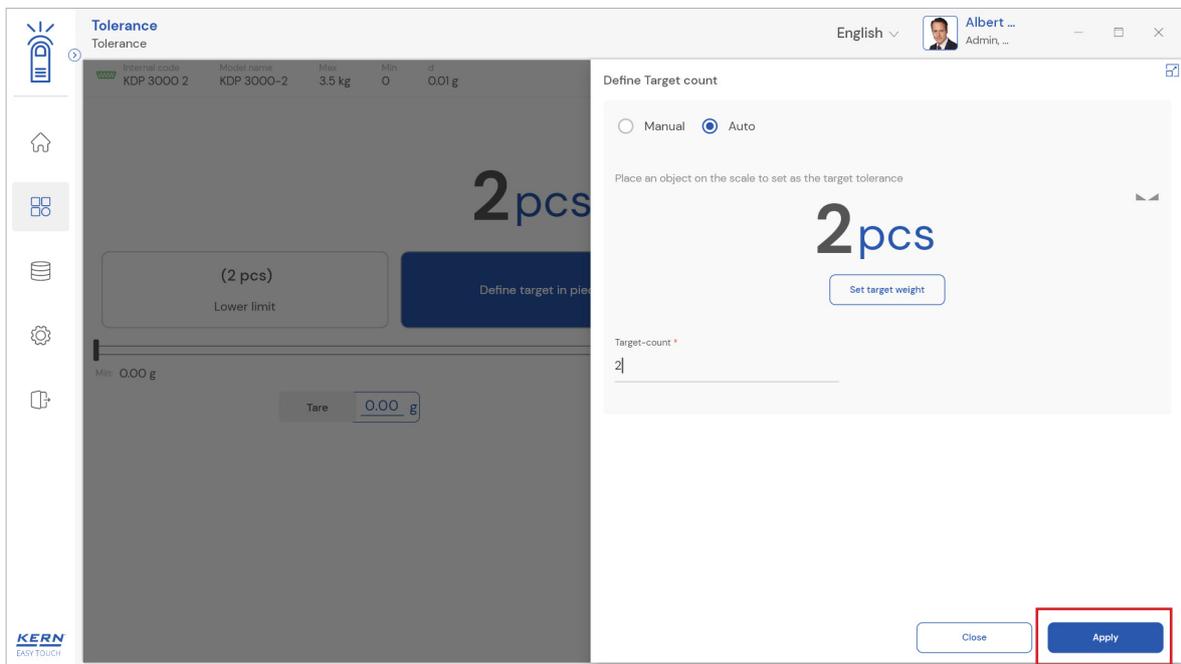
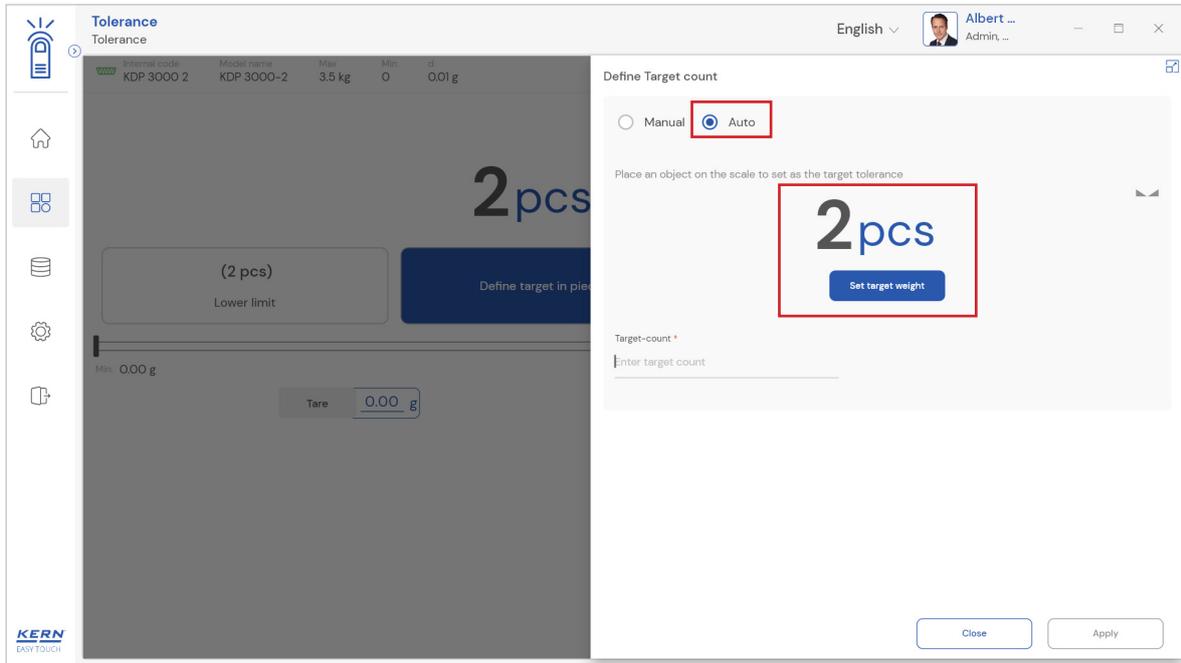
- Click on the “manual” mode and enter the count manually.
- Click on apply to define the target count



English

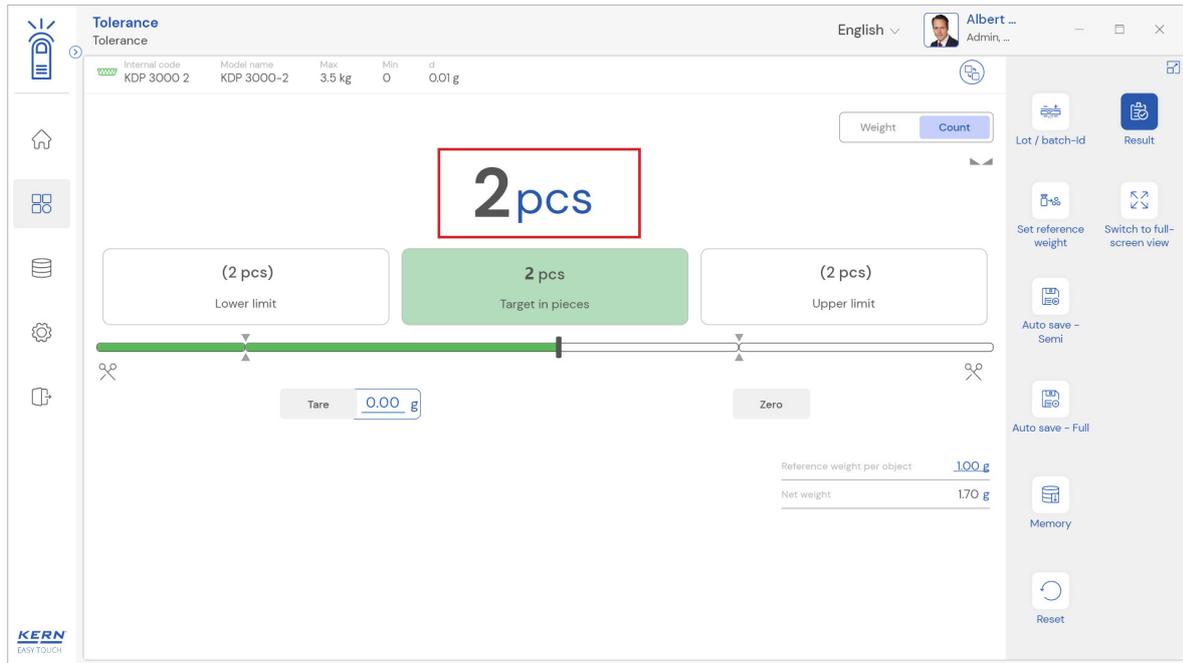
Note, user can utilize either the manual or auto option based on the industrial requirement.

- Choose the mode as “auto” and place the target count on the weighing scale.
- The system will calculate automatically from the defined reference weight and reference count and will display the target count.



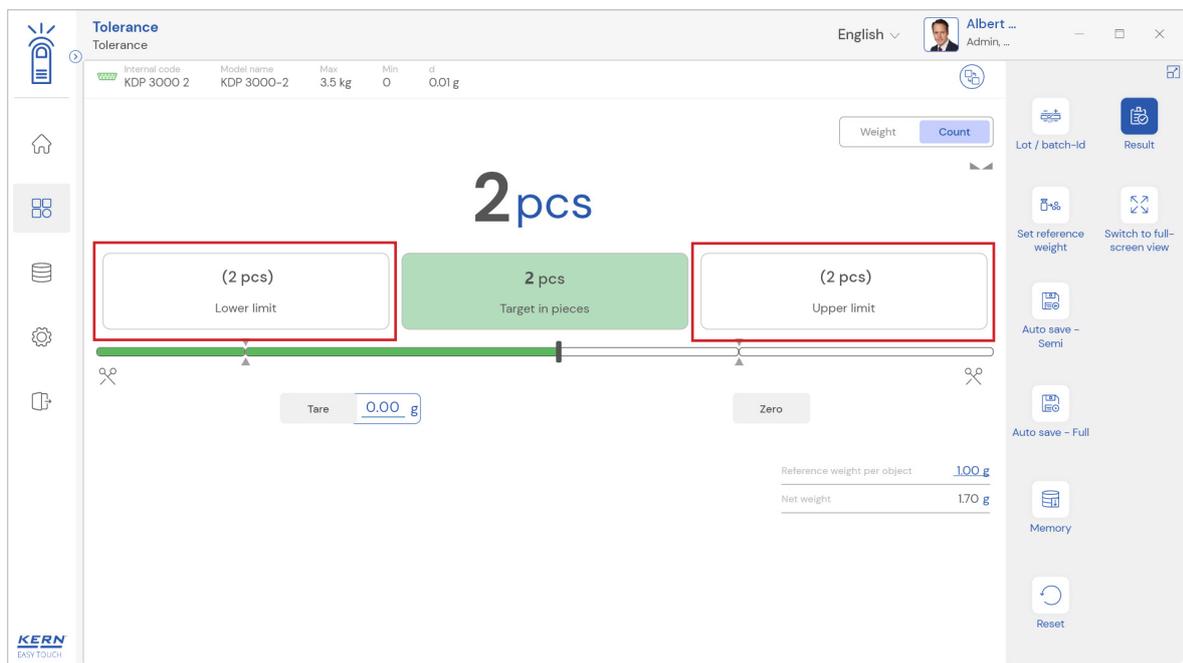
- Click on the “set target count” and the target count would be set and it can be applied by clicking on the “apply” button to set the target count.

English



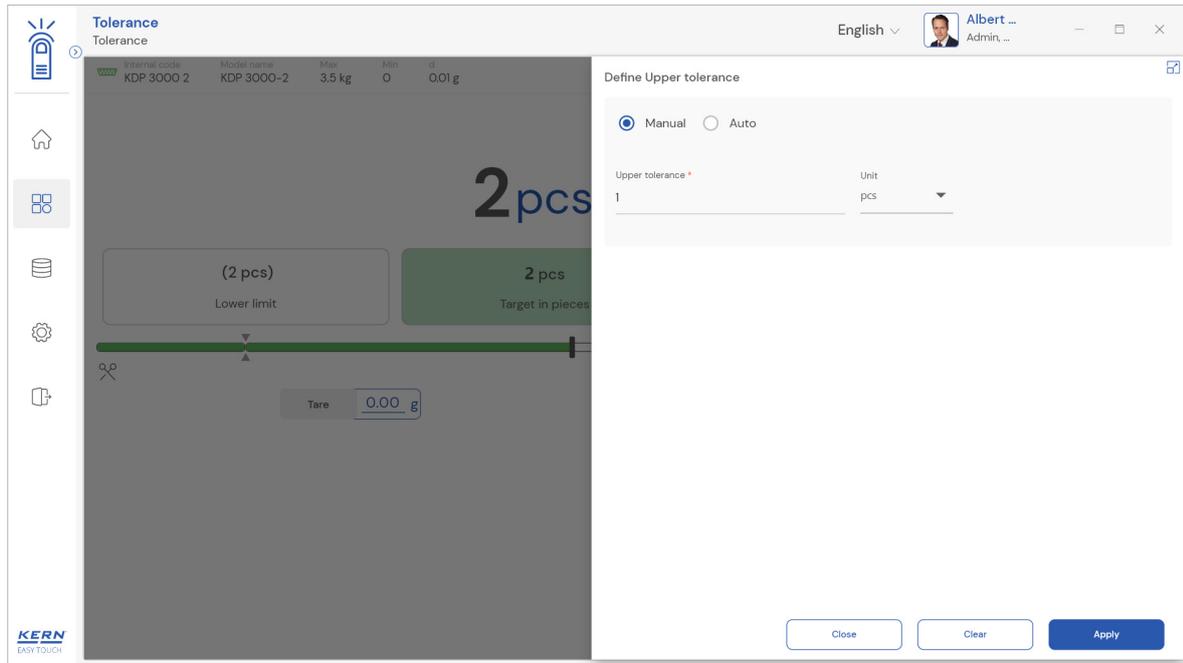
### 3.9 Tolerance limits

- The user can determine the tolerance limits for the weighing products.
- Click on the button “upper limit” or “lower limit” to enter the respective tolerance values. The value can be entered in pcs, or as percent value.

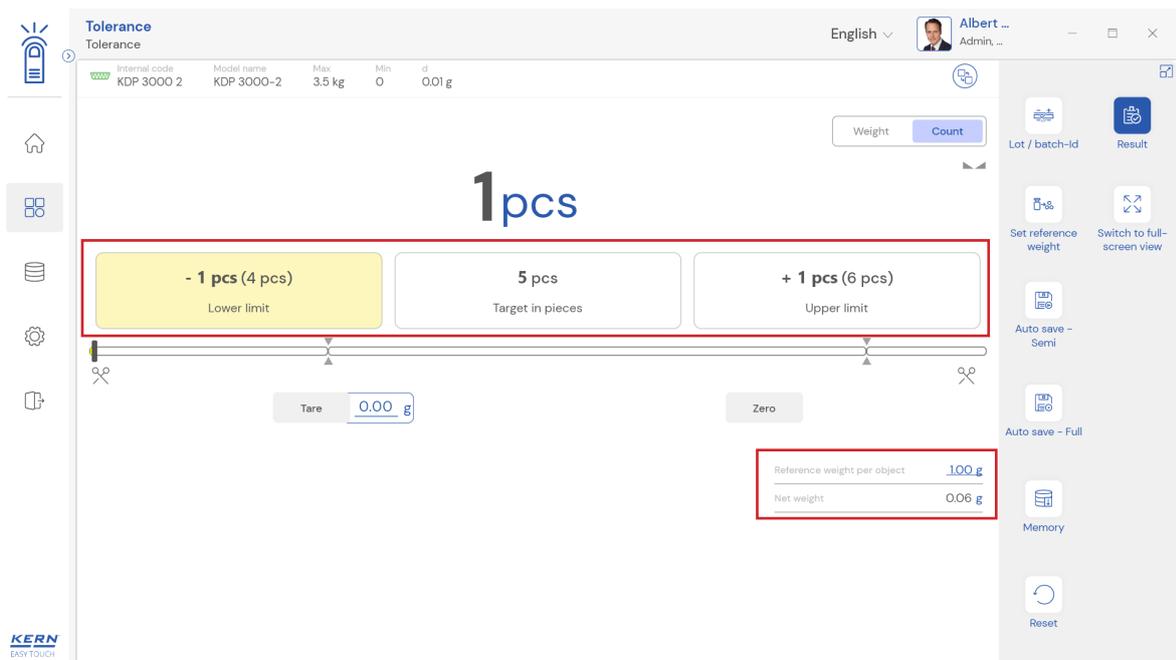


- Now enter the upper limit value accordingly and the unit manually or auto then click on the apply button. Please follow the same procedure for the lower limit.
- Now enter the lower limit value accordingly.

English

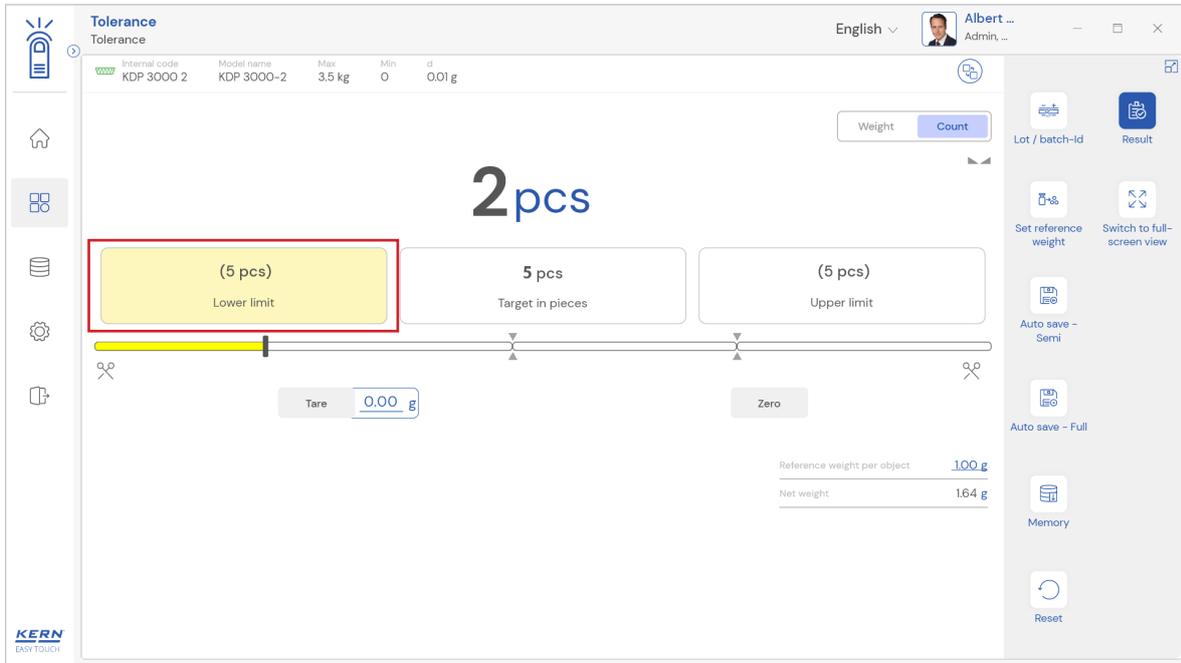


- Now the following screen shows the entered values and you can start weighing.

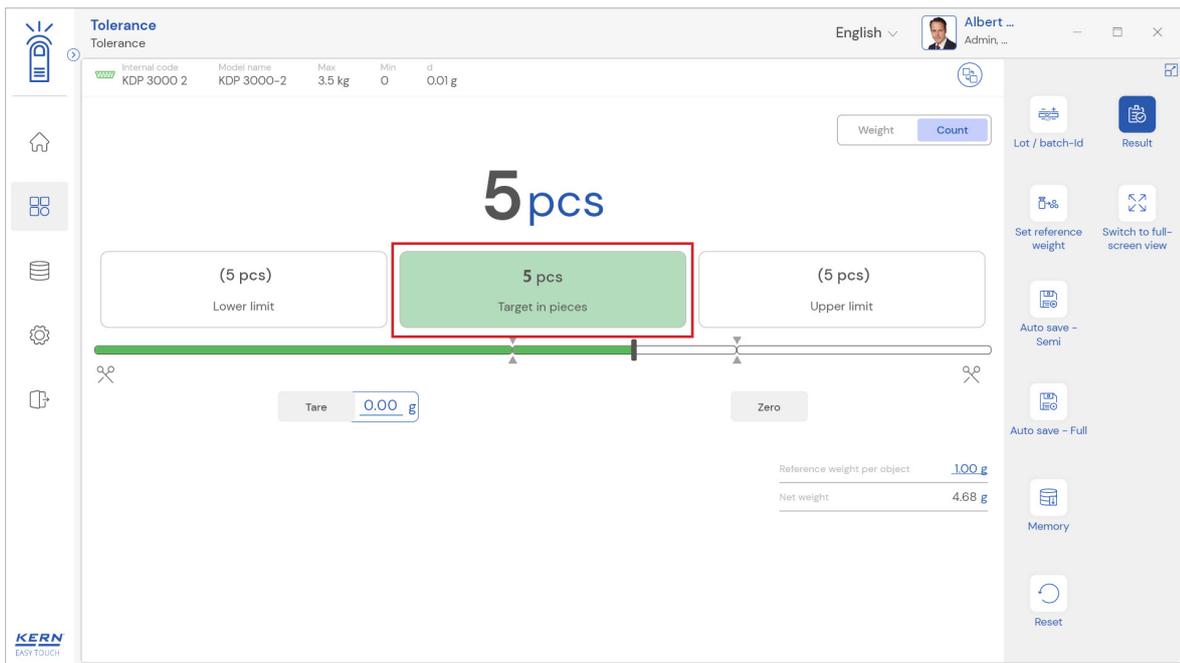


- The container would be displayed in yellow in case the weight on the scale corresponds to a count which is lower than the defined lower tolerance count and the result is determined to be not ok

English

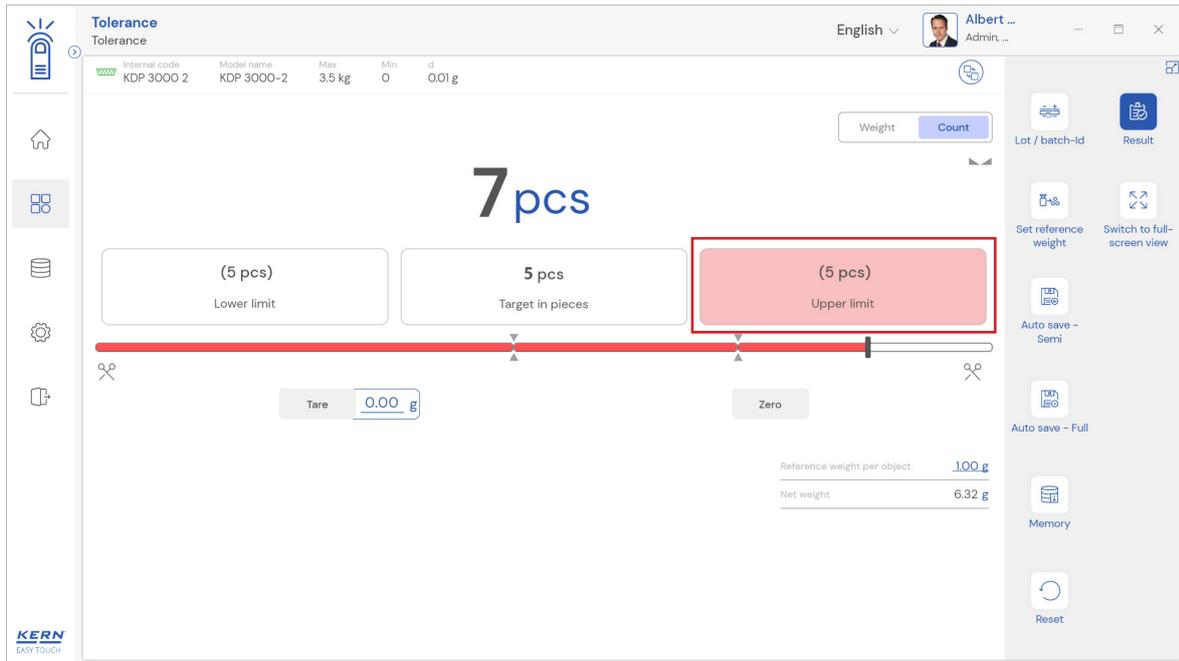


- The container would be displayed in green in case the weight on the scale corresponds to a count which is lower than the defined lower tolerance count and the result is determined to be ok

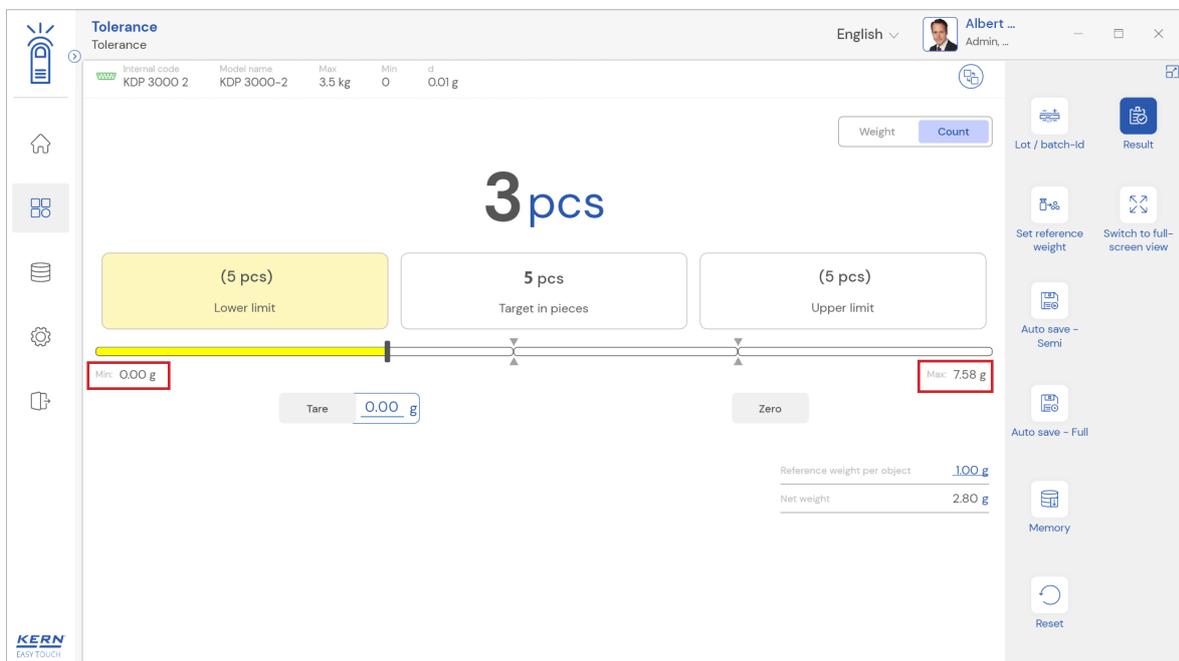


- The container would be displayed in red in case if the weight on the scale is being greater than the higher tolerance value and the result is determined to be not ok

English



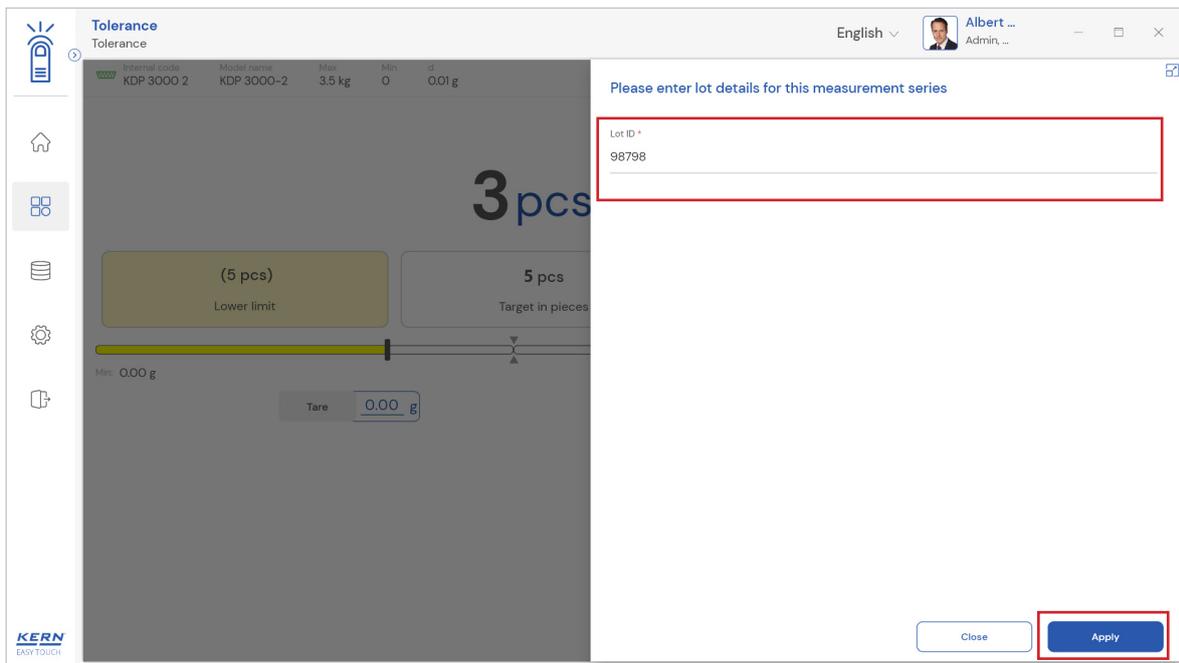
- The target weight can be reached by carefully adding or removing weighing good.
- The max and min values will be recalculated based on the target value and the defined tolerance. These values have been emphasized to show the user a precise reading for the clear understanding. This mechanism of recalculation is completely purposeful when the user is dealing with the smaller weight changes and the variations.
- Click on the scissors to view the recalculated min and max value.



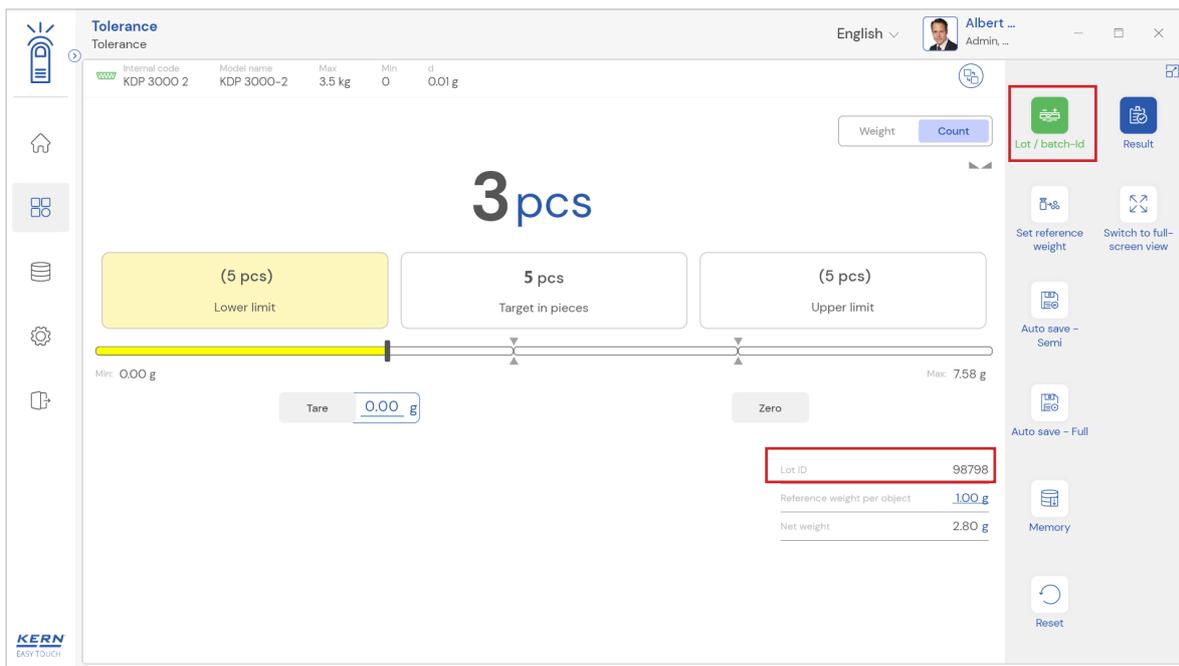
### 3.10 Lot/Batch Id

Click on the "lot / batch id" and the screen for entering the a lot ID to the current measurement is been displayed.

This lot id must stay unique and can be searched in the dynamic database.



**Apply:** Clicking on apply will update the provided details for the current batch in progress and will be displayed in the dosing screen. Additionally in the menu this “Lot / Batch ID” is displayed green.

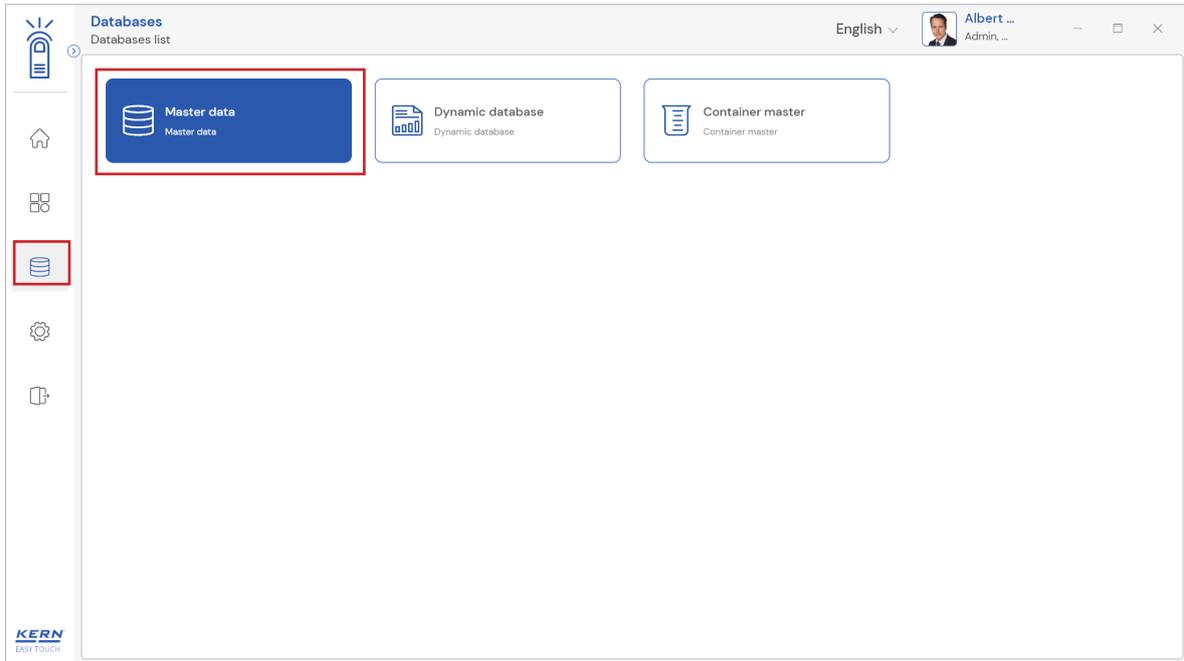


### 3.11 Memory

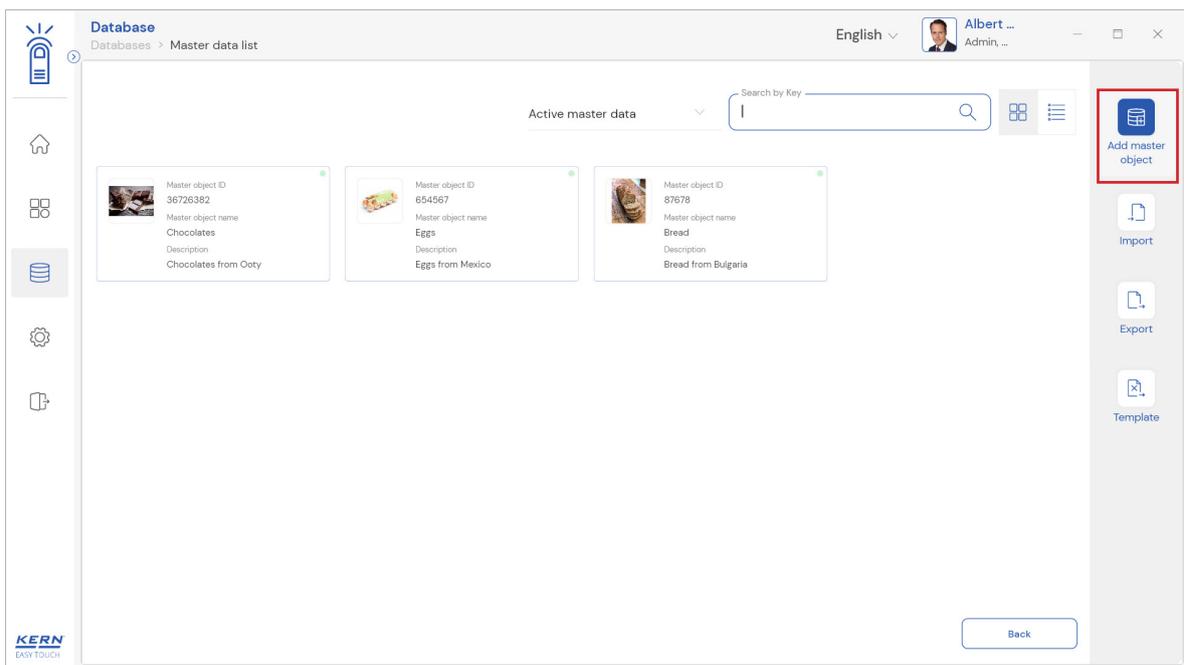
The user might be able to pick an object from the memory where the user can predefine list of objects what you use frequently. The object in the memory can be reutilized.

#### Steps to be followed to create a master data with functional properties

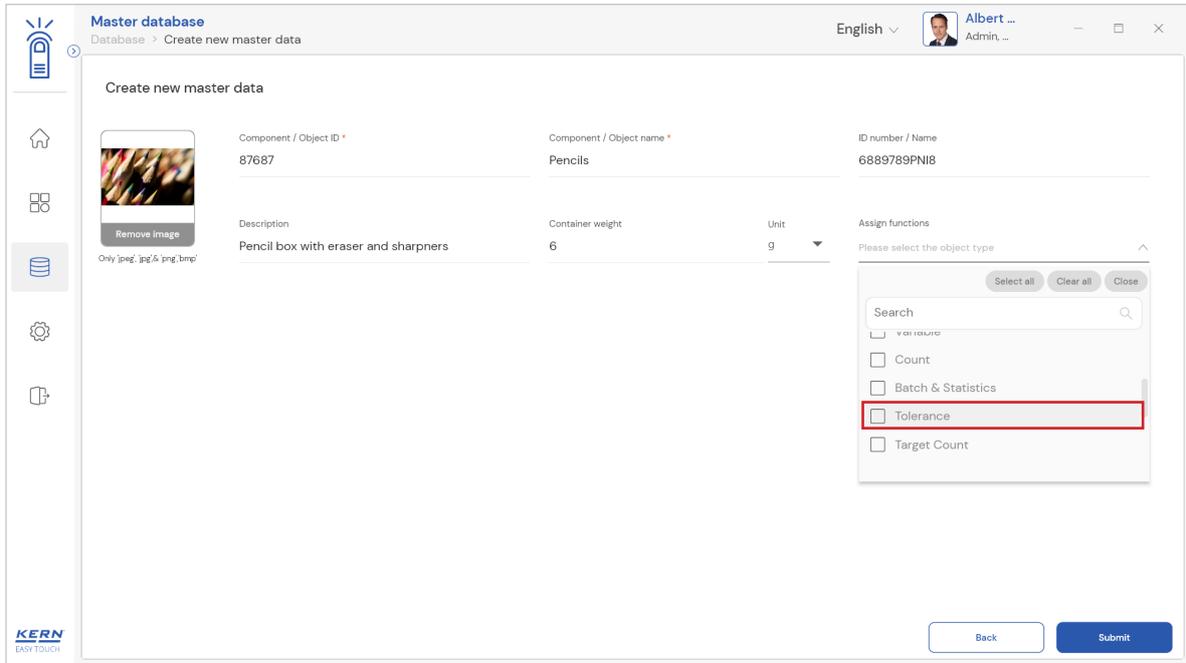
- Click on the database icon and redirect to the master data.



- The below screen would be displayed. The user might be able to see the list of master data objects created here.
- The user can click on the “add master object” to create a new master object

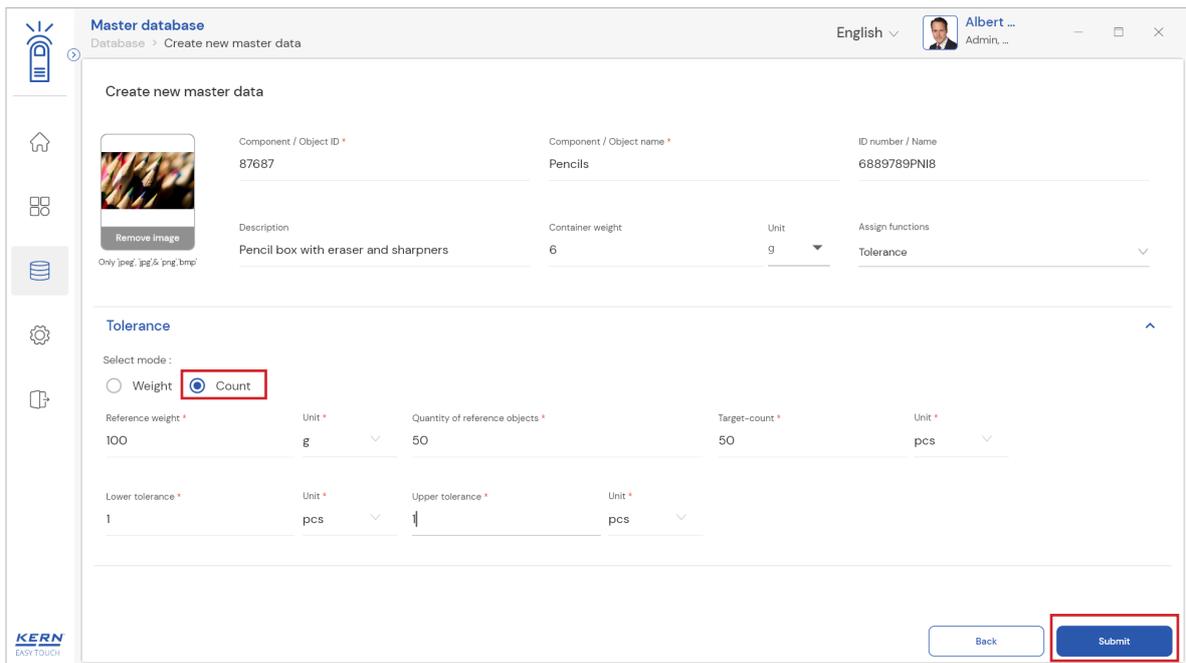


- The user can fill in the information as such component / object ID, Component / object name, ID number / name, description, container weight and the image for the reference.
- Now user can select the required function “tolerance” to utilize the properties.

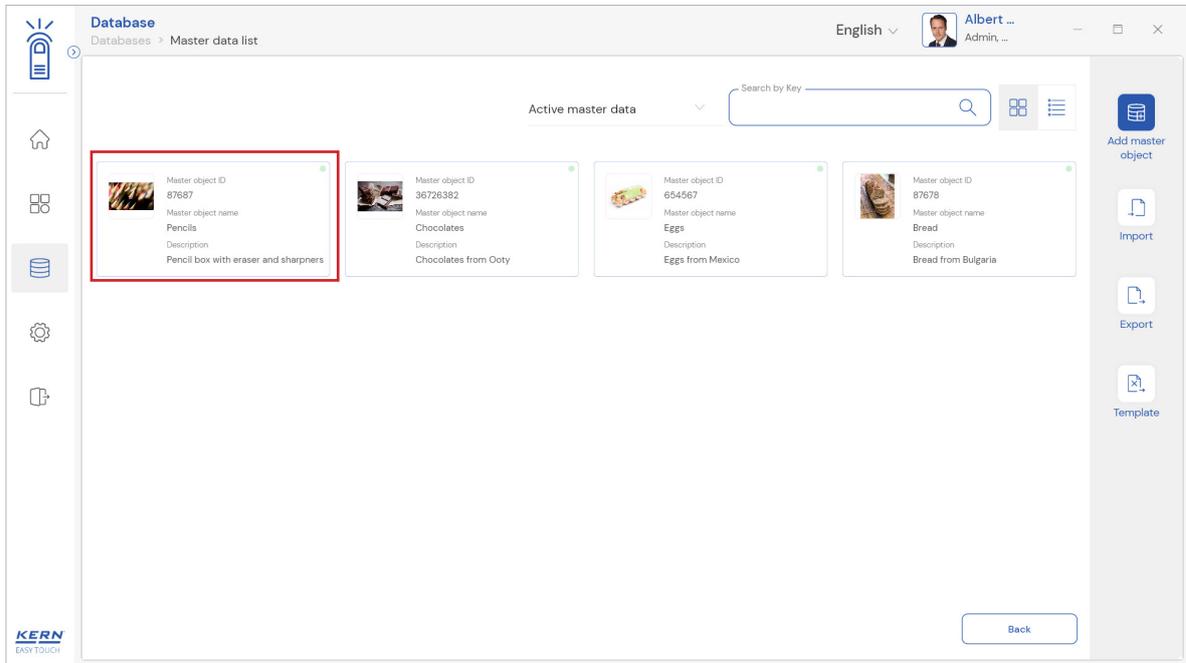


- Upon clicking the function, the functional properties would be displayed.
- Choose the mode as “count” and enter the respective values for reference weight, quantity of reference objects, target count, lower and upper tolerance.

English

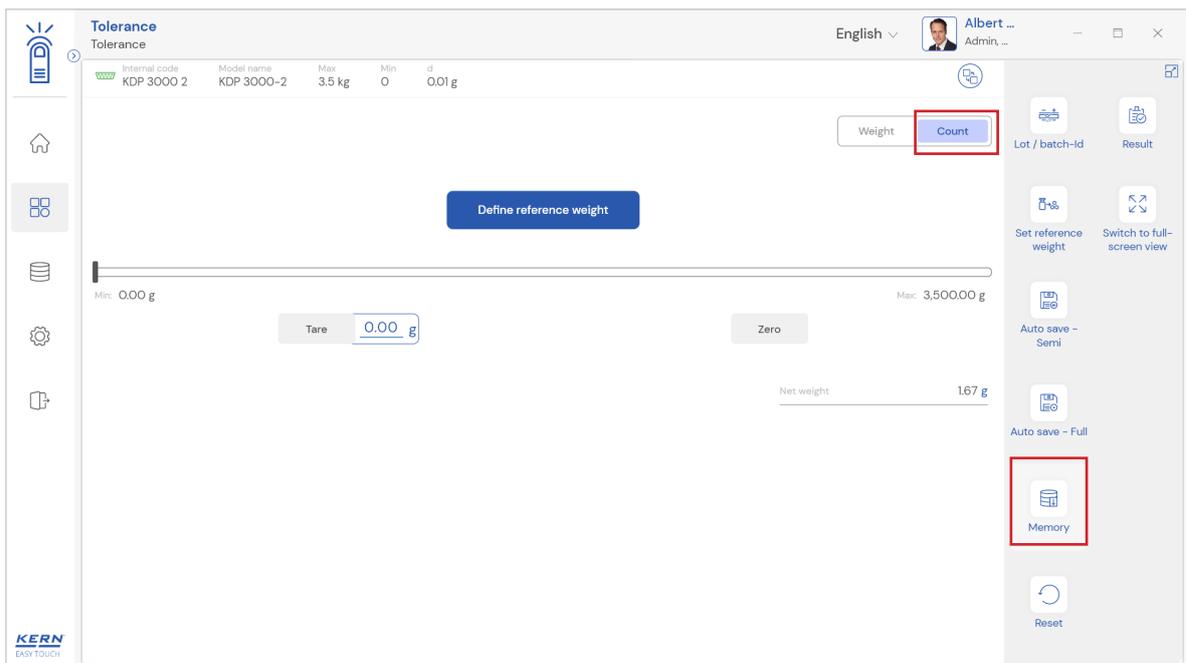


- Choose the respective units and click on submit to save the master object.
- The master object data is being saved and user could be able to view the created master object.

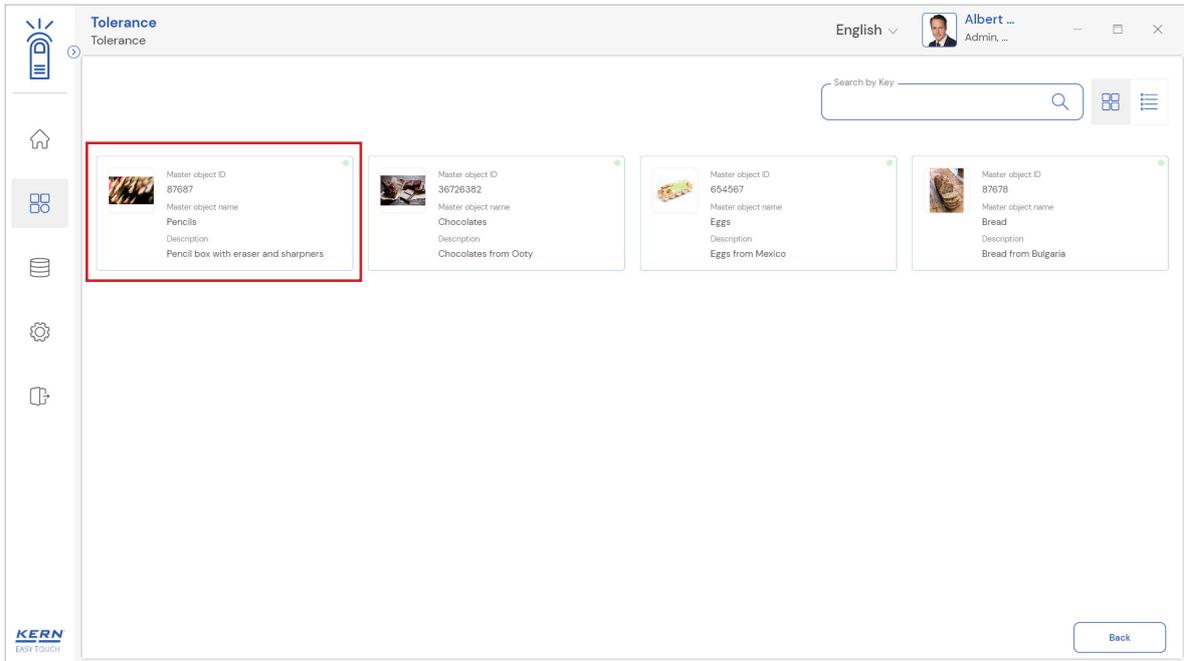


**Utilize the master data in the function**

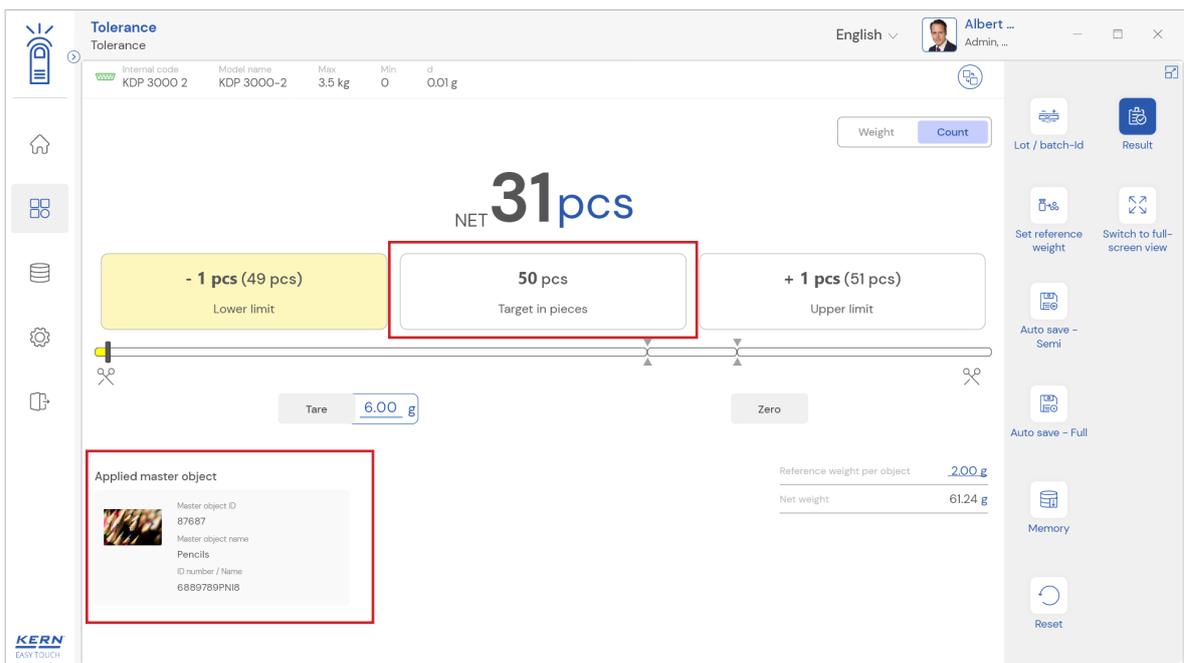
- Now redirect to the function “tolerance” to utilize the created master data



- Choose the mode as “count” and click on the memory and the user will be taken to the master memory to pick from the list of objects predefined. User can click on the required object to be weighed.



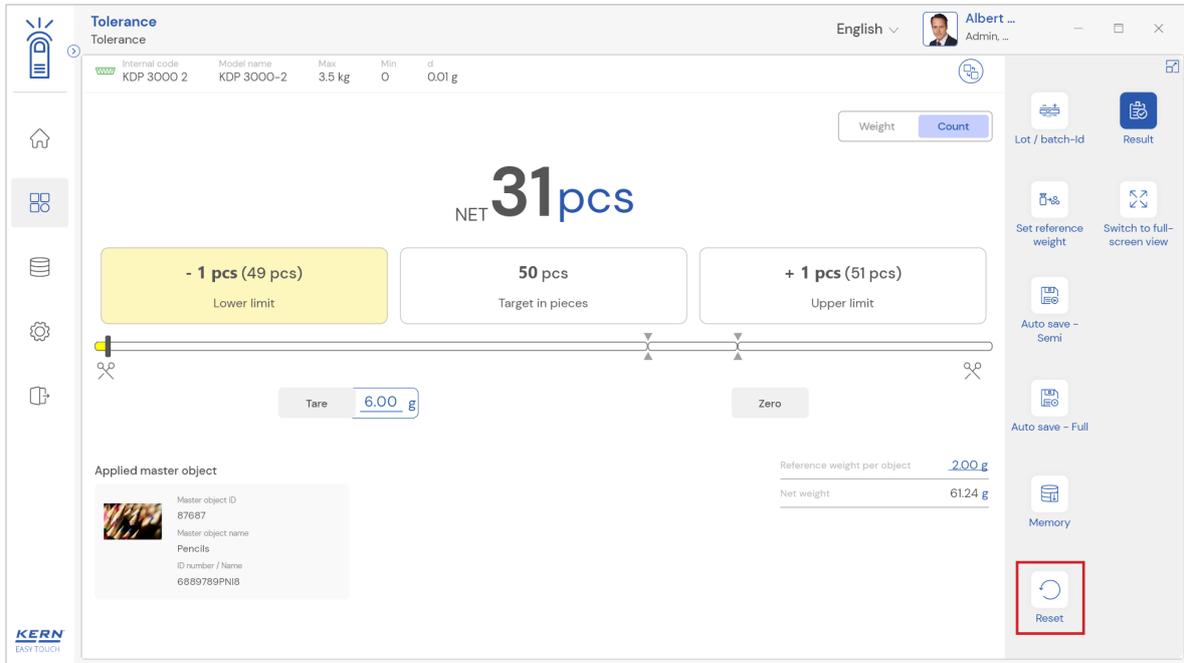
- User will be provided with the search option to search the required weighing object.
- User will be redirected to the weighing screen upon clicking the required object.



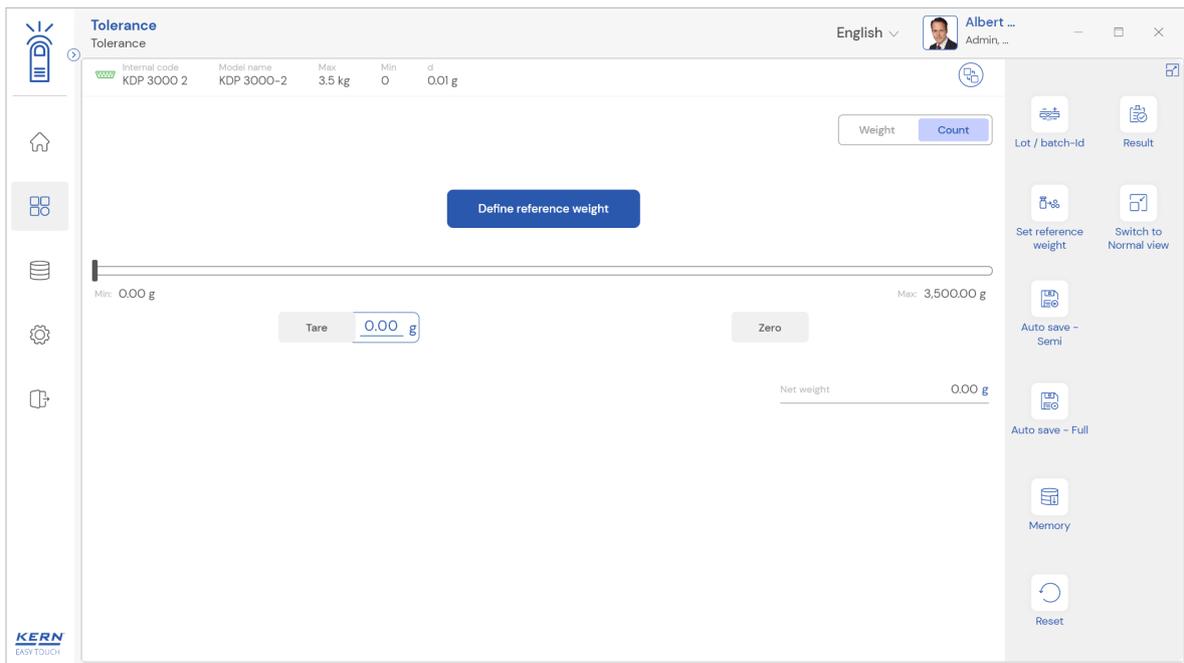
- The master object would be added here, and the respective reference weight and count defined will also be reflecting in the function upon applying the master data with the defined properties.

### 3.12 Reset

The purpose of reset is to clear the stored readings.



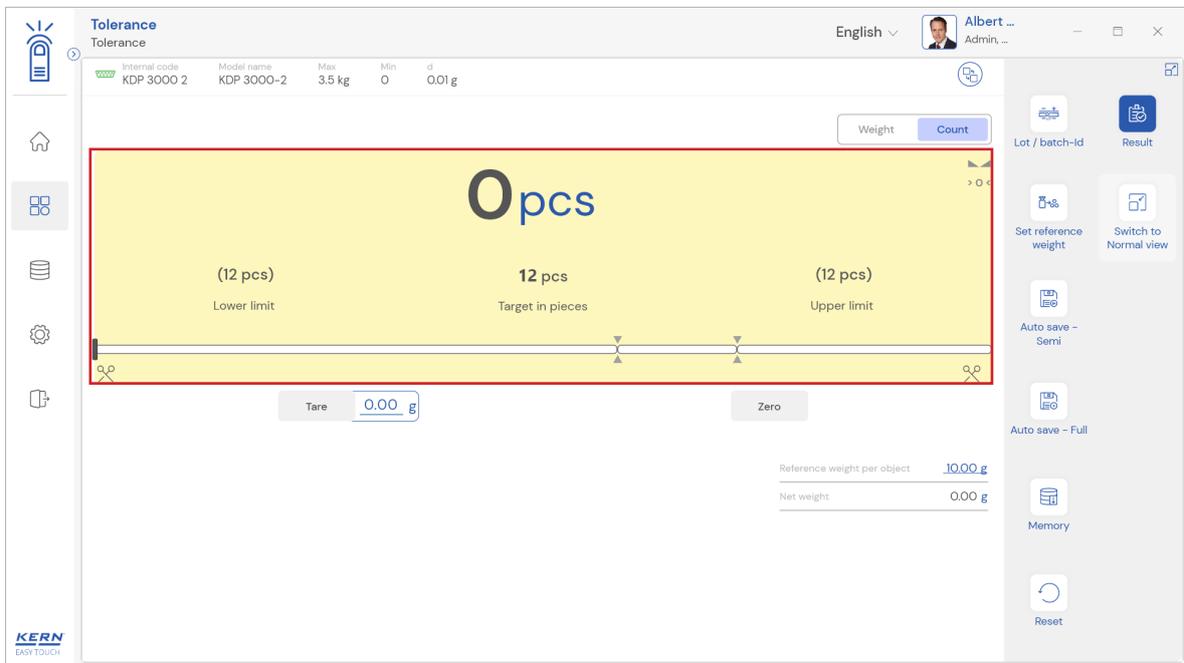
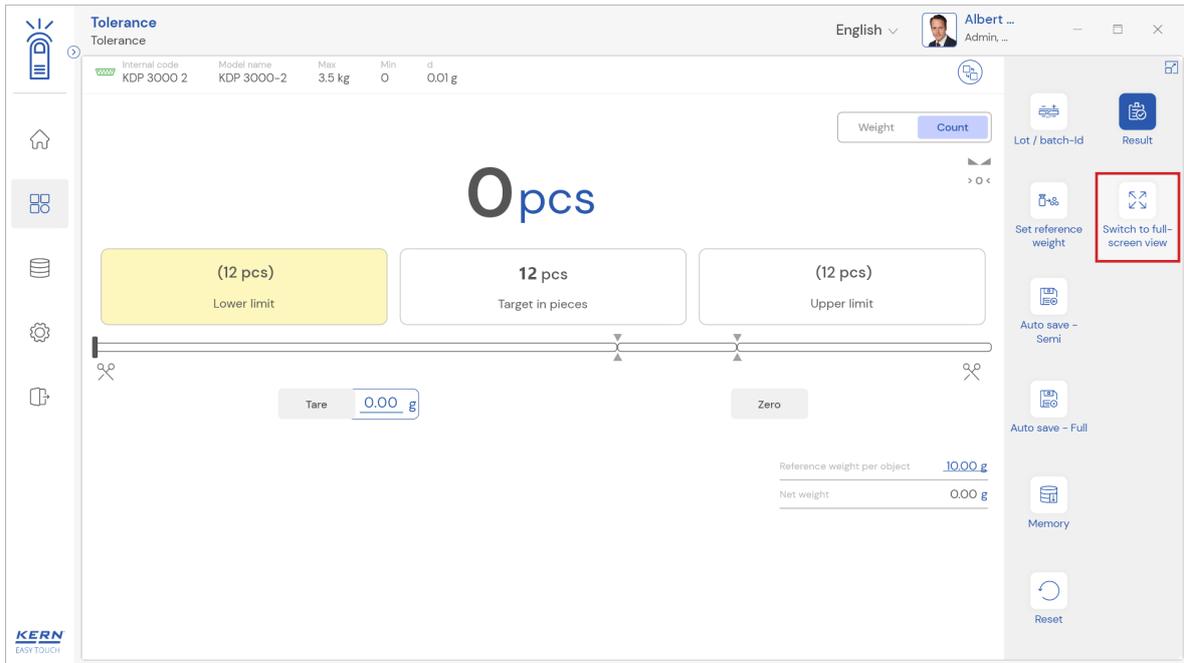
Upon clicking the reset, system will reset all the weighed data and the master data applied and will be ready to perform the new operation



### 3.13 Full screen view

Click on the “switch to full screen view” after entering the target weight, the user gets the below screen where the user can be able to view the result data in prominent view even from long distance.

English



English

### 3.14 Auto save

#### 3.14.1 Auto save semi

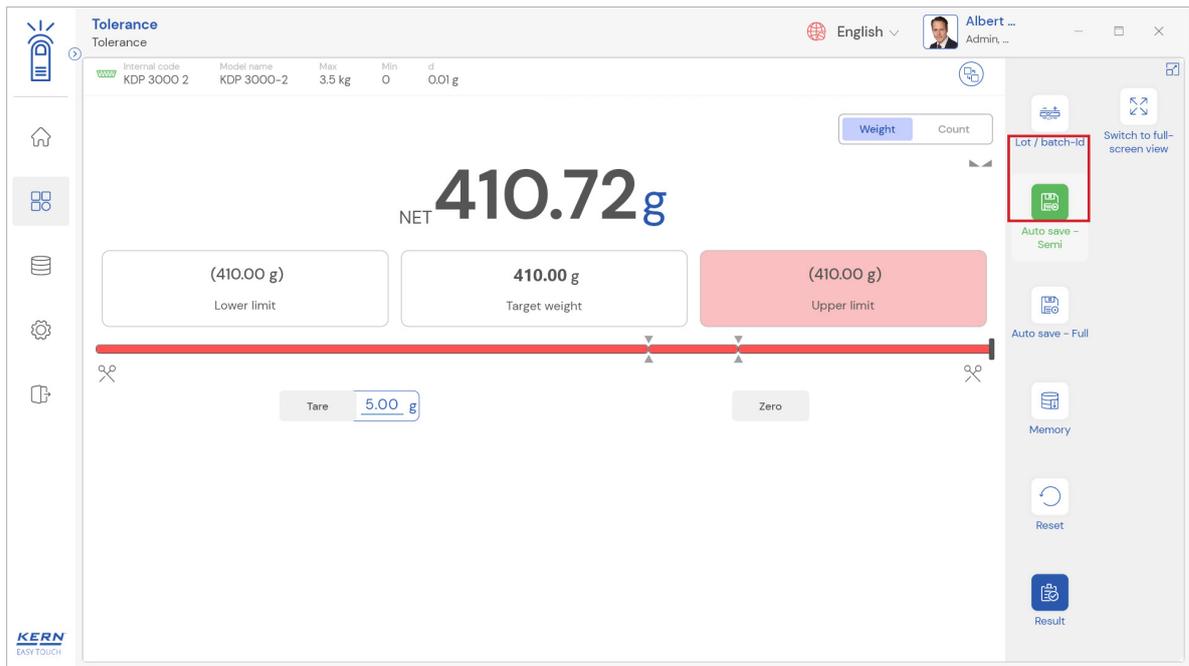
- The purpose of auto save semi is to avoid pressing the result button once the measurement is done.
- The user will be automatically redirected to the result screen upon loading and unloading of the weight (until reaching zero) and stabilization of the object placed on the weighing scale
- This might be useful in reducing the work of operators as they might not need to press the result button all time

#### Steps to be followed:

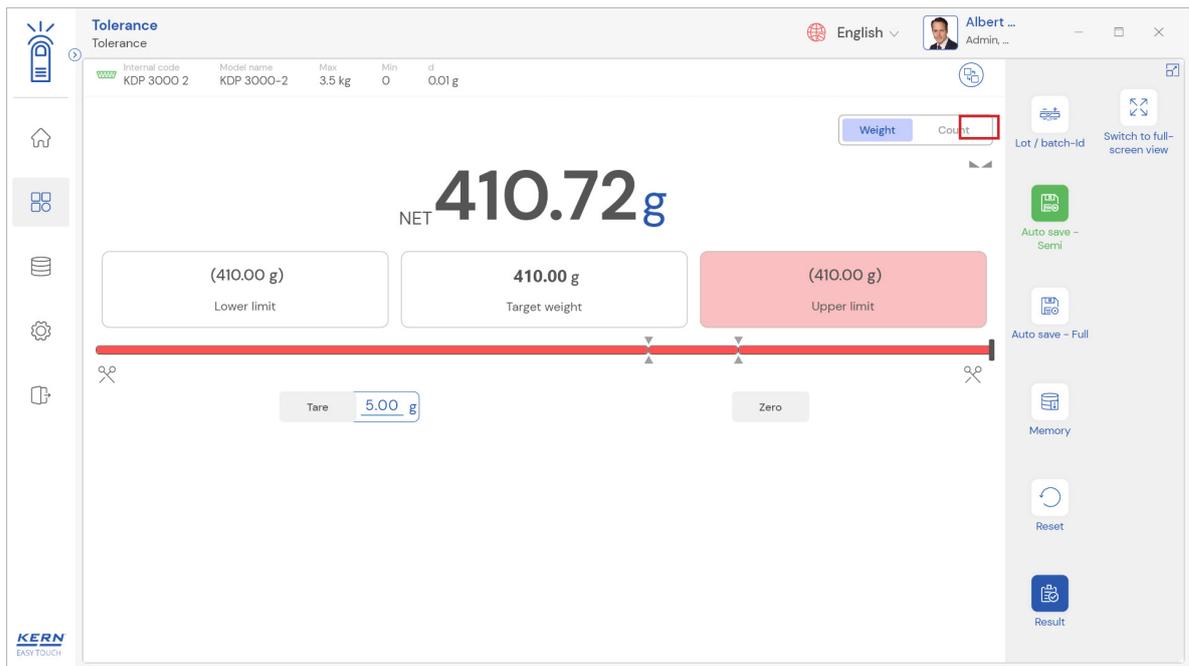
Step 1: Enable auto save semi

Step 2: Place the objects that are required to be counted and to check whether the count is

inside the defined tolerance levels.

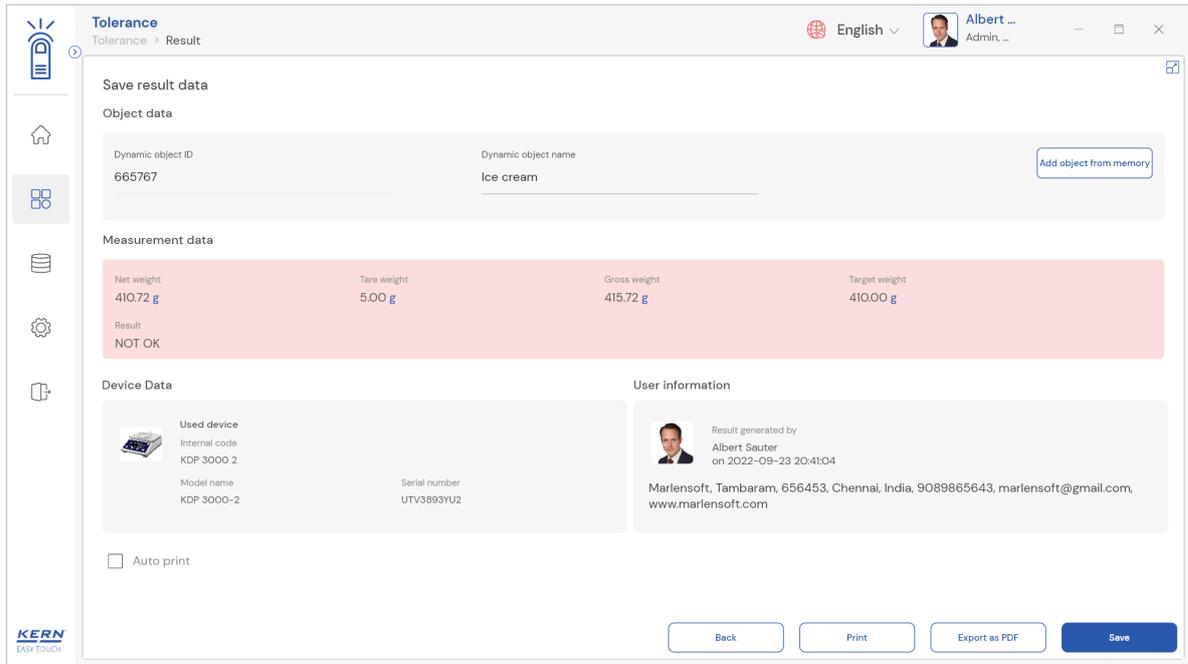


Step 3: Wait until the weight on the scale is stabilized



Step 4: The user will be automatically taken to the result screen

English

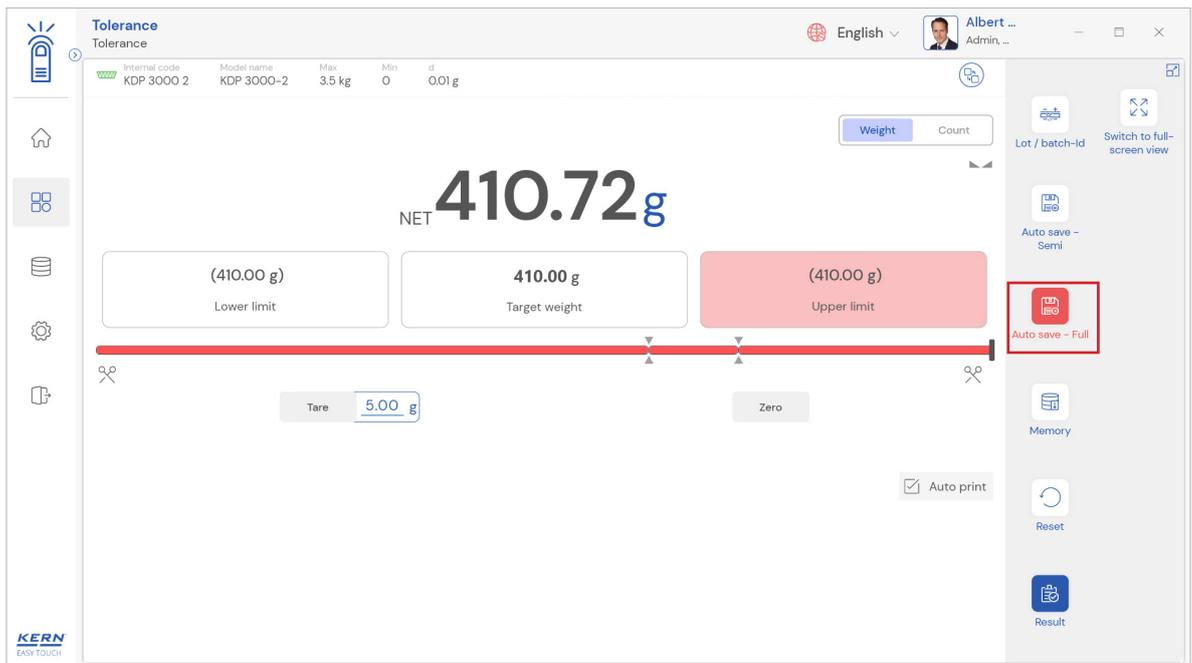


### 3.14.2 Auto save full

- The purpose of auto save full is to save the result automatically without moving to the result screen every time once the measurement is done.
- The system will be automatically saving the result data in the dynamic database upon loading and unloading of the weight (until reaching zero) and stabilization of the object placed on the weighing scale.
- This might be useful in case if the operators in the industries are handling chemicals and might not be able to touch the application screen due to grease or other conditions.

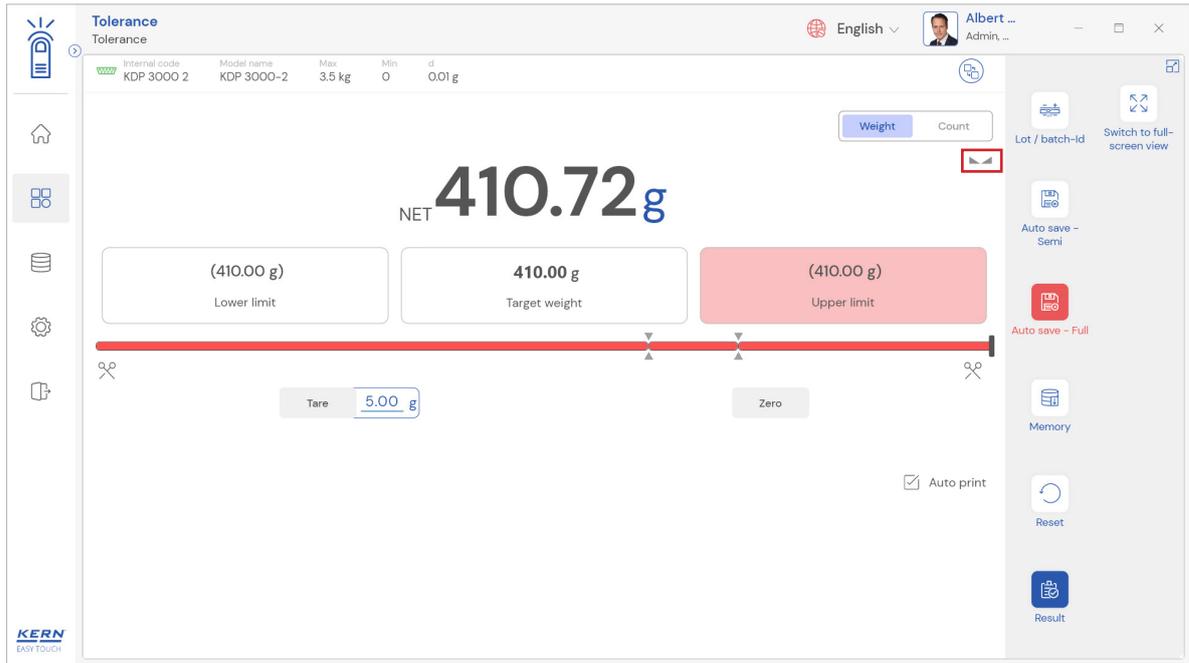
#### Steps to be followed:

Step 1: Enable auto save full



Step 2: Place the objects that are required to be counted and to check whether the count is inside the defined tolerance levels.

Step 3: Wait until the weight on the scale is stabilized

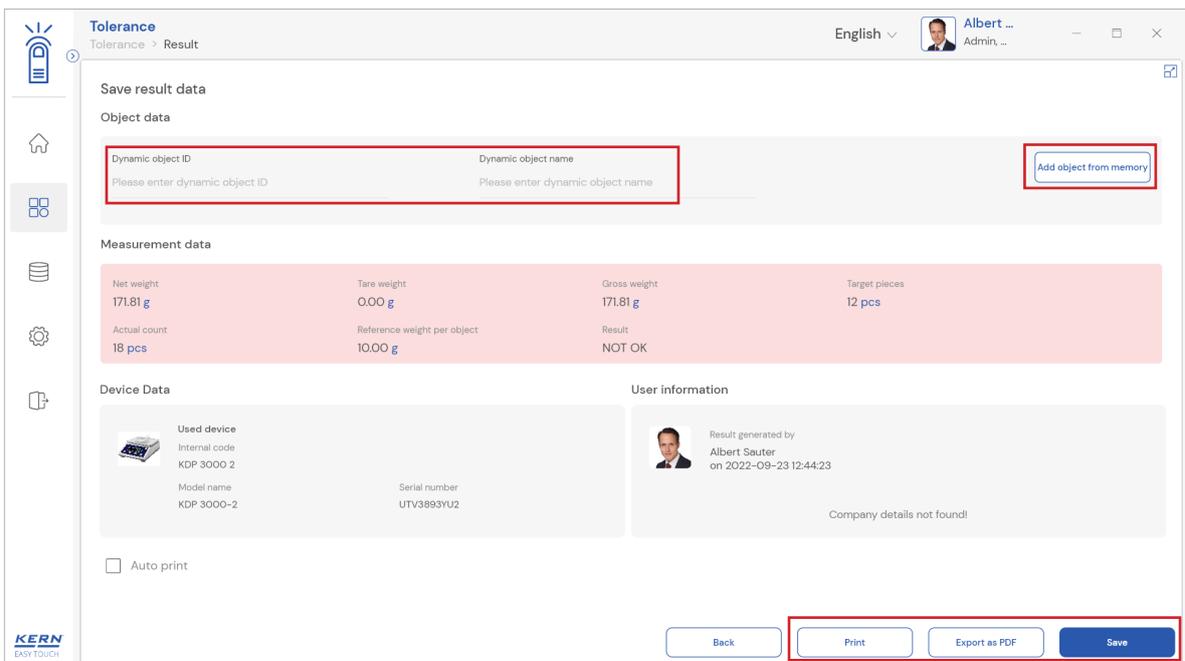


Step 4: The system will automatically save the result in dynamic database.

## 4.0 Result data

### 4.1 Measurement data

An overview of the determined data appears upon clicking on the button “result”. The below screen appears upon clicking the button. The user might be able to view the complete result data.



#### 4.1.1 Add object from memory

The user might be able to pick an object from the memory where you can predefine list of objects what you use frequently. The object in the memory can be reutilized.

### 4.1.2 PDF, print and save

The user can save the data, generate the result data as an PDF or excel or print the results. All the saved results will be found in the dynamic database.

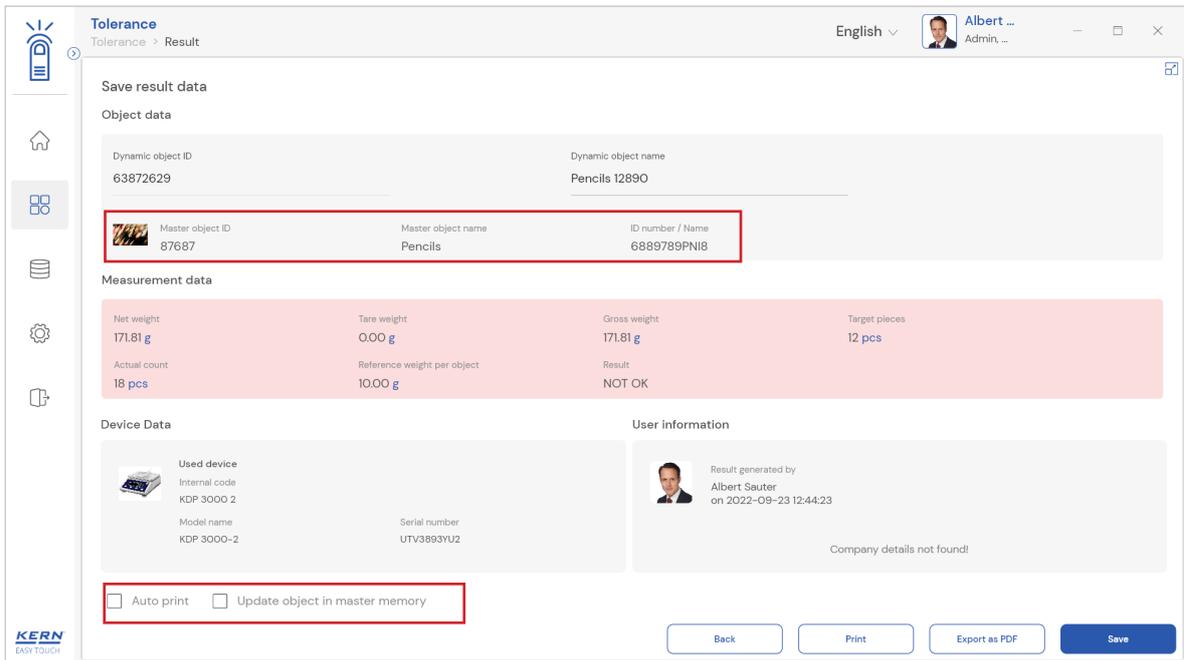
### 4.1.3 Dynamic object ID and name

The user can enter a reference id and name to the weighing objects to stay unique and search based on the dynamic id and name in the dynamic database (after the result data is being saved) regarding the weighing results of an object.

### 4.1.4 Auto print

The user will have an option to save and print on a single click. This allows the user to print the data with the measurement ID.

Once the save button is clicked, the balance is again on weighing mode.



### 4.1.5 Update object in master memory

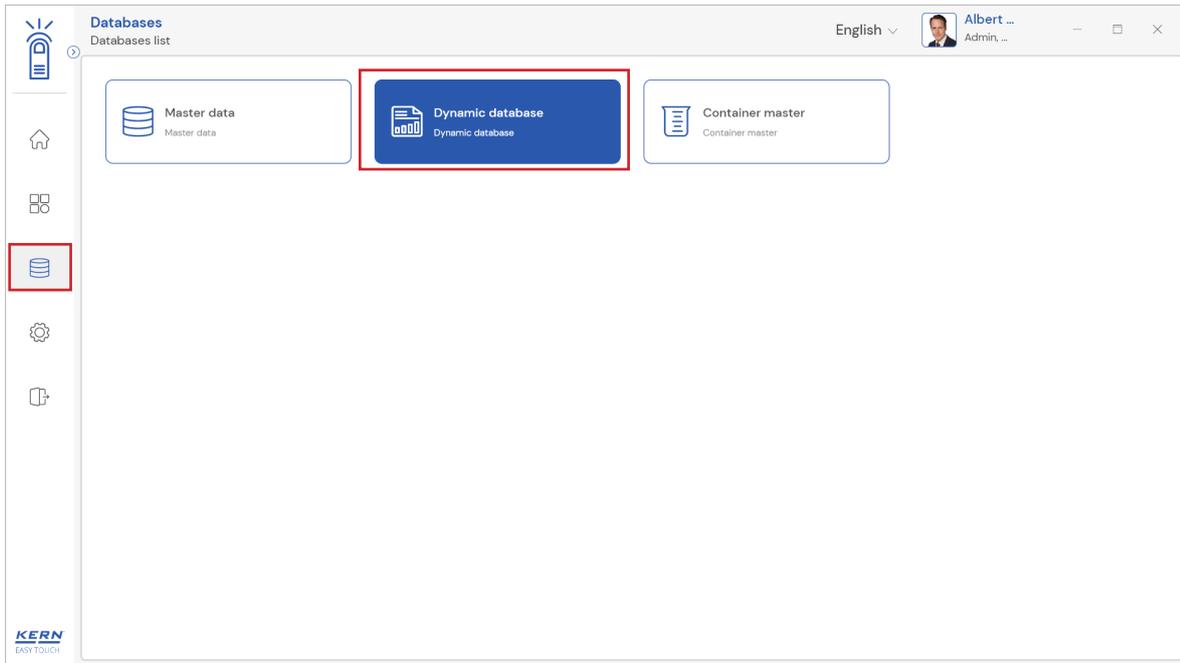
The user can be able to save the functional properties of the object in the master memory to reutilize the data by clicking on the "Update object in master memory".

For example, the container weight will be updated in the master memory and can be utilized for future purposes.

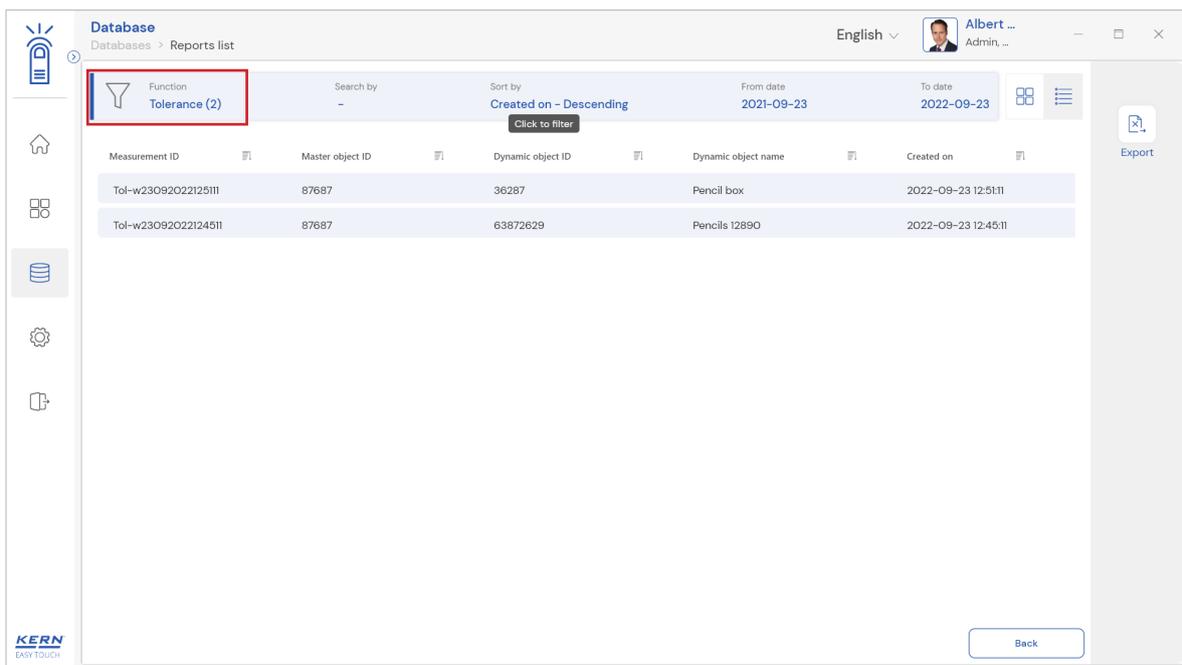
## 5.0 Dynamic data

- All the saved data from both modes (weight and count) would be found in the dynamic database. Click on the database icon and navigate to the dynamic database

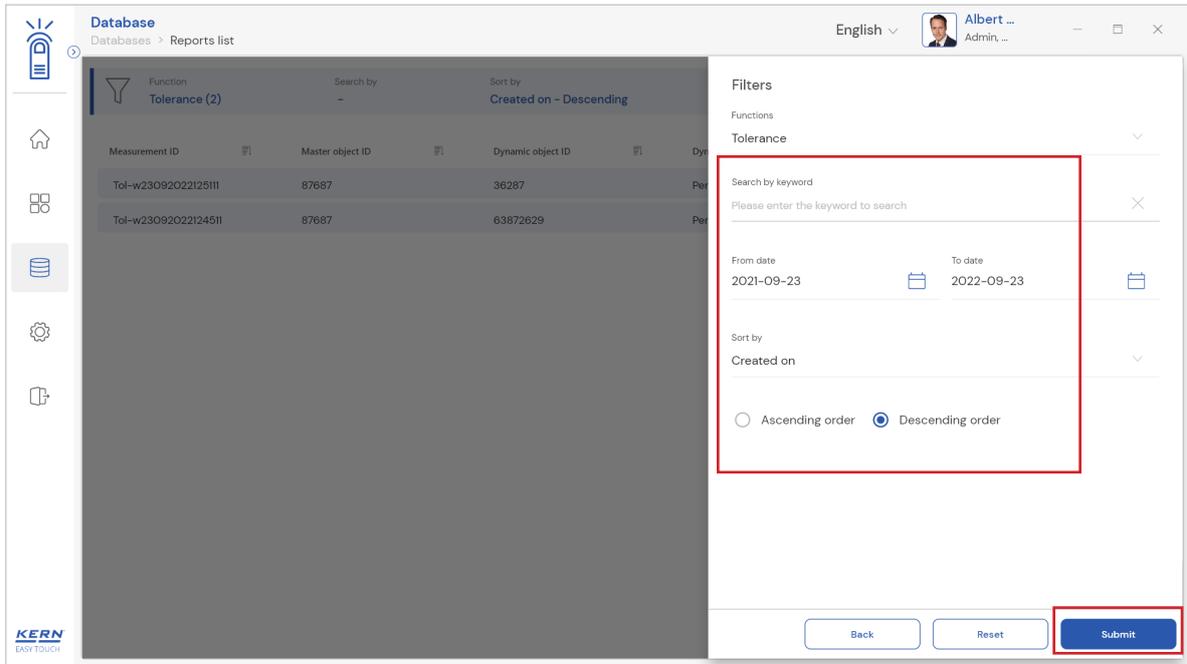
English



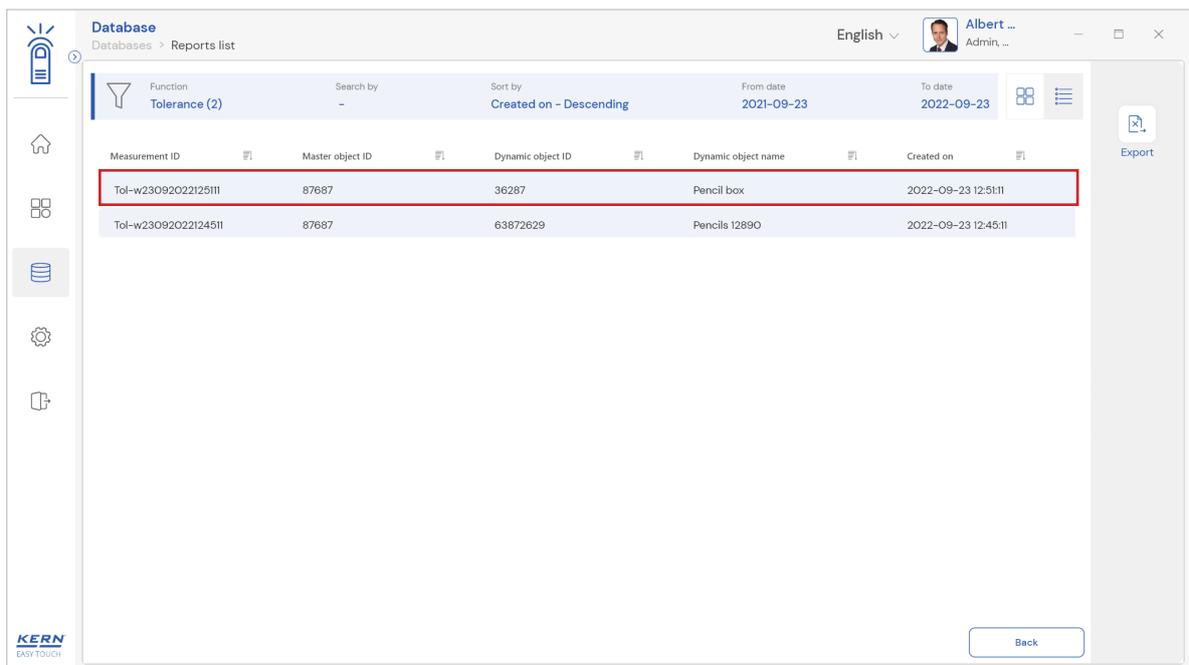
- Click on the filter and the below screen would be displayed. Kindly note, the last used function would be displayed by default.



- Decide to go with the filters in case if required



- The list of dynamic data saved against the set filter would be found here



- Click on the required transactional data to see the complete set of details

English

The screenshot displays the 'Database' interface with a 'Reports list' view. The main content area shows details for a measurement ID 'Tol-w23092022124511'. The data is organized into three sections: 'Measurement data', 'Device Data', and 'User information'. At the bottom right, there are three buttons: 'Close', 'Export as PDF', and 'Print'. The 'Export as PDF' and 'Print' buttons are highlighted with a red border.

Measurement data		
Master object ID	Master object name	ID number / Name
87687	Pencils	6889789PN18
Dynamic object ID	Dynamic object name	Net weight
63872629	Pencils 12890	171.81 g
Tare weight	Gross weight	Target pieces
0.00 g	171.81 g	12 pcs
Actual count	Reference weight per object	Result
18 pcs	10.00 g	NOT OK

Device Data		User information	
<b>Used device</b>			Result generated by
Internal code	KDP 3000 2		Admin supervisor
Model name	KDP 3000-2		on 2022-09-23 12:45:11
	Serial number	Marlensoft, Tambaram, 656453, Chennai, India, 9089865643,	
	UTV3893YU2	marlensoft@gmail.com, www.marlensoft.com	

- The required set of result data can be exported as PDF or printed

The end