

# Nutraceutical Plug-In

User Guide

Neon Version

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# Supplement Facts

Serving Size: 1 Scoop (22 G)  
 Servings Per Container: 60

	Amount per Serving	%DV
<b>Calories</b>	<b>26</b>	
Sugars	4 G	10%
Vitamin C (as ascorbic acid)	50 mg	55%
Vitamin B12 (as cyanocobalamin)	60 mcg	2,500%
Calcium	90 mg	6%
Magnesium	105 mg	26%
Sodium	60 mg	4%
Potassium	200 mg	4%
Micronized L-Glutamine	5 G	**
<b>Micronized BCCA Blend</b>	<b>5 G</b>	
Vitamin C (as ascorbic acid) Micronized L-Leucine	2.5 G	**
Micronized L-Isoleucine	1.25 G	**
Micronized L-Valine	1.25 G	**
<b>Electrolyte Blend: (Potassium Chloride, Calcium Citrate Malate, Magnesium Oxide, Sodium Chloride)</b>	<b>1 G</b>	<b>**</b>
Taurine	500 mg	**
<b>Other Ingredients:</b> Dried Cane Sugar, Natural Flavors, Citric Acid, Malic Acid, Silicon Dioxide, Calcium Silicate, Tartatic Acid, Turmeric Root Extract, Lecithin, Xanthan Gum, Organic Stevia Extract		

..... 21

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## About Proccession



**Proccession** is a Sage X3 suite of modules, which was created by **Proccession Software LLC**. Designed for process manufacturers and distributors, **Proccession** provides premium features and modules for your Sage X3 system. **Proccession** allows companies to get more out of Sage X3.

**Proccession** picks up where Sage X3 leaves off. **Proccession** provides enhanced functionality for customers who are looking to get more from their Sage X3 system. **Proccession** helps to manage the complexity of process manufacturing allowing you to do more with less.

**Proccession** is a fully integrated solution that runs seamlessly within X3 and does not require additional hardware. Since **Proccession** is part of your Sage X3 system, it is easier to install and maintain than external third party applications. Since it shares the Sage X3 user interface, it is quick to learn and adopt. **Proccession** becomes part of your Sage X3 system and therefore requires no integration links and all data resides within the Sage X3 database.

### About Proccession Software LLC.

**Proccession Software LLC** is a team of professionals from the worlds of process manufacturing and software development and implementation. Our vision is to create THE process manufacturing solution for Sage X3. This vision guided our development of **Proccession**.

The initial seeds of **Proccession** started in 2006 when a team of process manufacturing professionals and developers designed and built software that would handle the unique requirements for chemical manufacturers. The software brought order to the chaos of regulation compliance, formula management, material safety data sheets and quality control.

The solution, which started in 2006, has evolved into **Proccession**, an enhancement suite for process manufacturers. Since its launch in 2014, **Proccession** has received much praise from the Sage X3 community. Today, companies ranging from hundreds of employees to companies with tens of employees use **Proccession**. As our user base continues to grow, our team is dedicated to adding innovative functionality that addresses the ever-changing landscape of regulations and the needs of formulators, quality control professionals, manufacturers and distributors.

Since 2013, the Proccession team has been working closely with Sage Software to ensure that our solution meets the development standards of Sage. Today, **Proccession** has been a Sage Certified Solution since 2015.

## Nutraceutical Plug-In Overview

The **Procession** Nutraceutical Plug-in provides functionality that allows formulas to be created based upon nutritional targets. This functionality is provided by a plug-in into the **Procession** Pre-sales/Formulation module.

Features of this plug-in include:

- Ability to set nutritional targets for the formula
- Raw Material suggestions based upon nutritional targets
- Daily Value, Non-Daily Value, Proprietary Blend and Other Ingredient functionality
- Incidentals
- Label Claims
- Package Sizes
- Nutritional Supplement Panel

Property ID	Property Name	Target per serving	Actual per serving	U.	Acceptable Low	Acceptable High	Lo...
1	CALCIUM	0.00000000	90.00000000	MG	0.00000000	90.00000000	
2	CALO	0.00000000	26.00000000	MG	0.00000000	26.00000000	
3	ELECTROLYT	0.00000000	1.00000000	G	0.00000000	1.00000000	
4	LGLUTAMINE	0.00000000	5.00000000	G	0.00000000	5.00000000	
5	LISOLEUCIN	0.00000000	1.25000000	G	0.00000000	1.25000000	
6	LLEUCINE	0.00000000	2.50000000	G	0.00000000	2.50000000	
7	LVALINE	0.00000000	1.25000000	G	0.00000000	1.25000000	
8	MAGNESIUM	0.00000000	105.00000000	MG	0.00000000	105.00000000	
9	POTAS	0.00000000	0.20000000	G	0.00000000	0.20000000	
10	SODIU	0.00000000	0.06000000	G	0.00000000	0.06000000	

When installed, the **Procession** Nutraceutical Plug-in shows as a tab on the R&D Formula window. The plug-in also adds functionality to the Properties Miscellaneous table and the Product window. More details can be found in the sections below.

## Setup

The following sections describe the data that must be setup before us of the **Procession** Nutraceutical Plug-in.

### Property Table

Nutrients are defined as properties in the miscellaneous table 4848. This table can be accessed from the menu path **Development**→**Data and Parameters**→**Miscellaneous Tables**.

All > Development > Data and parameters > Miscellaneous tables

Miscellaneous table

LIST OF VALUES

108 Results Display: 200

Code	Description	Daily Value	DV Unit	Nutrient	Sort Order	Short description	Def Value	Property Typ
7	CALCIUM	1,300.00	MG	Daily Value	DV	Calcium		Nutrients
9	CARBOHYDRA	Total Carbohydrate	G	Daily Value	DV	Carbohydrate		Nutrients
10	CHLOR	Chloride	G	Daily Value	DV	Chloride		Nutrients
12	CHOLINE	Choline	MG	Daily Value	DV	Choline		Nutrients
13	CHROMIUM	Chromium	MCG	Daily Value	DV	Chromium		Nutrients
16	COPPER	Copper	MCG	Daily Value	DV	Copper		Nutrients
18	ELECTROLYT	Electrolyte Blend	G	Proprietary Blend	NDV	Electrolyte		Nutrients
22	FLUORIDE	Fluoride	MG	Daily Value	DV	Fluoride		Nutrients
23	FOLAT	Folate	MCG	Daily Value	DV	Folate		Nutrients
29	IODINE	Iodine	MCG	Daily Value	DV	Iodine		Nutrients
30	IRON	Iron	MG	Daily Value	DV	Iron		Nutrients
31	LGLUTAMINE	L-Glutamine	G	Non-Daily Value	NDV	L-Glutamine		Nutrients
32	LISOLEUCIN	L-Isoleucine	G	Non-Daily Value	NDV	L-Isoleucine		Nutrients
33	LLEUCINE	L-Leucine	G	Non-Daily Value	NDV	L-Leucine		Nutrients
34	LVALINE	L-Valine	G	Non-Daily Value	NDV	L-Valine		Nutrients
35	MAGNESIUM	Magnesium	MG	Daily Value	DV	Magnesium		Nutrients
36	MANGA	Manganese	MG	Daily Value	DV	Manganese		Nutrients
39	MOLYB	Molybdenum	MCG	Daily Value	DV	Molybdenum		Nutrients
40	NIACI	Niacin	MG	Daily Value	DV	Niacin		Nutrients
53	PHOSP	Phosphorus	MG	Daily Value	DV	Phosphorus		Nutrients
56	POTAS	Potassium	G	Daily Value	DV	Potassium		Nutrients
78	SELEN	Selenium	MCG	Daily Value	DV	Selenium		Nutrients
81	SODIU	Sodium	G	Daily Value	DV	Sodium		Nutrients

When first installed, **Procession** provides a number of pre-defined nutrients and their daily values.

*Note that updates for this table can be provided upon request, however, when updated the table will be overwritten and any changes to the table would be overwritten.*

The key fields in the Property Table for Nutraceuticals are:

- **Code** – Property/Nutrient Identifier.
- **Description** – Description of the property.
- **Daily Value** – Recommended daily allowance.
- **DV Unit** –Daily Value Unit.
- **Nutrient** – Type of nutrient (Daily Value, Non-Daily Value).
- **Sort Order** – Order that the nutrient should appear on the supplement panel.
- **Short Description** – Short description for the nutrient.
- **Def Value** – Default value for the nutrient. This value is automatically assigned to the nutrient when it is added to a product record.
- **Property Type** – Nutrient or property group.

## System Parameters

The Nutraceutical plug-in uses the following parameter for determining potency. Parameters can be accessed from the menu path **Setup**→**General Parameters**→**Parameter Values**.

- **XJBNUTRUNT** – Display Potency – This parameter determines if the potency entered on the product properties is “Per mg” or “Per Stock” unit of the product. The two options for this parameter are:
  - Per mg** (default) – potency is defined as the number of units of the nutrient in 1 mg of the product. For example, if the nutrient has a value of 0.5 mg per 1 mg on a raw material, then the raw materials potency is 50% for this nutrient. If a nutrient has a value of 10 HUT per mg, then if a formulas target value for the nutrient is 100 HUT, then the potency dictates that 10 mg of the raw material would be required.
  - Per Stock** – potency is defined as the number of units of the nutrient per 1 stock unit of the product. For example, if a raw material has a stock unit of KG and the nutrient has a value of 0.25 KG for the raw material, then the potency is 25%.

All > Setup > General parameters

### Parameter values

Chapter  
XJB  
*Procession by Provenio*

Legislation

Company

Site

Group  
XJB  
*Procession by Provenio*

	Parameter	Description	Value
1	XJBBOLSHNM	Use proper ship for non-hazard	Yes
2	XJBDTYH2O	H2O Density Basis	8.3485
3	XJBDTYTYP	Product DTY Value Type	S. Gravity
4	XJBDTYUNT	Density Units	lbs/gal
5	XJBITMUPD	Update Product from SDS?	Yes
6	XJBITMWTP	Item Weight Type	GROSS
7	XJBNUTRUNT	Display Potency	Per mg
8	XJBPROPSH	Proper Shipping Mass Update	Product
9	XJBQCSPECS	QC Results-Tech Sheet to use	Ask
10	XJBRDCLCNW	R&D Calculate Equations Cntrl	ONDEMAND
11	XJBREVDIG	Formula Revision Digits	3
12	XJBREVPRE	Formula Revision Prefix	-REV-

## Product Properties

Nutrients are added to raw materials on the product properties tab. Products can be accessed from the menu path **Common Data**→**Products**→**Products**.

ID	Property Name	Property Value	Sort Order	Qty	UOM	Qty	UOM
1	Cobalamin (vitamin B12)		DV	1	MG		
2							

On the properties tab for a raw material or intermediate, select the nutrients in the properties grid. In this grid are two Qty fields and two UOM fields. Potency information is entered in the first Qty and UOM fields.

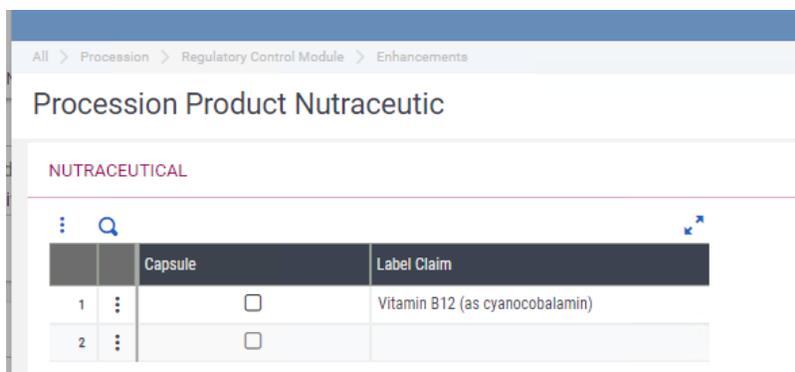
For example, if the system parameter is setup to display potency “Per mg”, then the number of units of the nutrient per mg would be entered for the product into the Qty field. If the system parameter is setup to display potency Per Stock, then the number of units of the nutrient per stock unit of the product would be entered.

The property UOM defaults to the DV Unit that was setup on the [Property Table](#). The property UOM can be changed, but the change must be a unit that can be easily converted back to the DV unit. For example, if the DV Unit for the nutrient is MCG (micrograms), then the property UOM could be set to MG (milligrams), because these two units are easily converted from one to the other. However, if the nutrient’s DV Unit is MCG, then changing the property UOM to a non-weight UOM such as “HUT” or “IU” or a non-standard UOM is not allowed.

## Product Label Claims

A product label claim is the text that will show for a nutrient on the Nutrient Supplement Panel. Label claims can be setup by accessing the Nutraceutical menu on the right panel of the product window.

PROCESSION ^  
Nutraceutical  
SDS



This window is used to enter the label claims for the following:

- **Nutrients** – Enter a separate label claim for each nutrient defined on the product. One nutrient may have more than one label claim. When creating the formula, the label claim for the nutrient will be selected from this list of the label claims defined on the component’s product record.
- **Capsules** – This check box should be checked if the product is a capsule. An example of a capsule label claim may be “Gelatin”. Capsules show in the “Other Ingredients” section of the Nutrient Supplement Panel.

## R&D Formula

Formulas are created using the **Procession** R&D Formula feature, which can be accessed from the menu path **Procession**→**Formulation Module**→**R&D Formulas**.

The sections below describe the functionality that is specific to the Nutraceutical plug-in. For complete information on the R&D Formula functionality, refer to the **Procession** Pre-sales/Formulation Module User Guide.

### R&D Formula Units

The unit of measure used in the formulation is specified on the Ingredients tab. This Unit is found in the Calculated Totals section of the Ingredients tab. Nutraceutical formulas are generally created based upon a unit size and not a batch size. Examples of unit size may be a serving or a capsule, which may be less than one serving. Formulas are not required to be in the same unit as the stock unit of the product that will be produced from the formula.

#### CALCULATED TOTALS

Total	Unit
22	→ G

When a formula is published to a Production BOM, the BOM will be automatically sized to the product's stock unit.

## R&D Formula – Nutrients Tab

The Nutrients tab contains many features that are specific to Nutraceutical formulas. This functionality is described in the following sections.

### Nutrients Header Section

**NUTRIENTS**

---

**CERTIFIED**

---

Certified      Certified by →      Date

**SIZING**

---

Overage Method      Servings      Serving UOM  
divide by 1 - Overage %      1      → SC   
*Scoop*

On this section, the following data is setup:

1. **Certified** - Indicates that the nutrients have been reviewed. Note that this option is not available if there are any nutrients outside of their acceptable ranges. When the nutrients have been certified, this option locks down the fields on the Nutrient and Ingredient tab in order to prevent further changes.
2. **Certified By** – Person who certified the nutrient data.
3. **Date** – Certified date.
4. **Overage Method** – If an overage percentage is defined for a nutrient, this method determines how the overage will be calculated. The options are:
  - a. **Divide by 1 – Overage %** - For example, if the Overage % is 5 and the target is 100, then the overage is calculated as  $100 / .95 = 105.26$
  - b. **Multiply by 1 + Overage %** - For example, if the Overage % is 5 and the target is 100, then the overage is calculated as  $100 * 1.5 = 105$ .
5. **Servings** – If the formula is for a fraction of a serving, enter the multiple required for 1 serving. For example, if two capsules are required for one serving, then enter a 2. If the formula is for one serving, then enter a 1. When printing the Supplement Panel, all nutrient levels on the formula are multiplied by this number.

For example, if the Servings is 2, and Vitamin A target on the formula is 10 mg, then the Supplement panel will use the value of 20 mg in its daily value calculation.

6. **Serving UOM** –Serving UOM which will print on the Supplement Panel.

### Targets/Totals Grid

The Targets/Totals grid contains a list of nutrients and their targets per serving. The nutrients in this grid can either be manually entered or automatically populated as ingredients are selected in the Nutrients Grid.

TARGETS/TOTALS

15 Results Display: 10

	Property ID	Property Name	Target per serving	Actual per serving	U..	Acceptable Low	Acceptable High	Lo...
1	CALCIUM	Calcium	80.00000000	90.00000000	MG	80.00000000	80.00000000	<input checked="" type="checkbox"/>
2	CALD	Calories Per Serving	0.00000000	26.00000000	MG	0.00000000	26.00000000	<input type="checkbox"/>
3	ELECTROLYT	Electrolyte Blend	0.00000000	1.00000000	G		1.00000000	<input type="checkbox"/>
4	LGLUTAMINE	L-Glutamine	0.00000000	5.00000000	G	0.00000000	5.00000000	<input type="checkbox"/>
5	LISOLEUCIN	L-Isoleucine	0.00000000	1.25000000	G	0.00000000	1.25000000	<input type="checkbox"/>
6	LLEUCINE	L-Leucine	0.00000000	2.50000000	G	0.00000000	2.50000000	<input type="checkbox"/>
7	LVALINE	L-Valine	0.00000000	1.25000000	G	0.00000000	1.25000000	<input type="checkbox"/>
8	MAGNESIUM	Magnesium	0.00000000	105.00000000	MG	0.00000000	105.00000000	<input type="checkbox"/>
9	POTAS	Potassium	0.00000000	0.20000000	G	0.00000000	0.20000000	<input type="checkbox"/>
10	SODIU	Sodium	0.00000000	0.06000000	G	0.00000000	0.06000000	<input type="checkbox"/>

If targets are entered in this grid for a nutrient and the nutrient’s “Actual Per Serving” value is outside of the acceptable range, then the row will show with a red background. Otherwise, if the nutrient is within the acceptable range, or if no range was defined, then the line will show with a white background.

The fields in this section are:

- **Property ID** – Nutrient
- **Property Name** – Nutrient description
- **Target per serving** – Nutrient’s per serving target for the formula. For example, if the Servings field has a value of 2 and the formula has 50 MG of the nutrient, then the Per Serving total is 50 MG \* 2 = 100 MG.
- **Actual per serving** – Actual amount of the nutrient in a serving of the product that is being formulated. This amount is calculated as components are added to the formula.

### Nutrients Grid

The Nutrients Grid is used to build the formula and select the ingredients. In this grid, nutrients and their target values are entered. Based upon these targets, the system recommends components and the quantities required of each component in order to meet the nutrient target.

Line Type	Property ID	Property Name	Target per serving	U.	Label Type	PB Group	Sort code	Component	Description 1
Normal	SUGAR	Sugars	4.00	G	Daily Value		DV	RM550	Sugar
Incidental	CALO	Calories Per Serving	26.00	MG	Daily Value			RM550	Sugar
Normal	VITC	Vitamin C (Ascorbic Acid)	50.00	MG	Daily Value		DV	RM551	Ascorbic Acid Powder
Normal	VITB12	Cobalamin (vitamin B12)	60.00	MCG	Daily Value		DV	RM555	Cyanocobalamin
Normal	CALCIUM	Calcium	90.00	MG	Daily Value		DV	RM556	Calcium
Normal	MAGNESIUM	Magnesium	105.00	MG	Daily Value		DV	RM557	Magnesium
Normal	SODIU	Sodium	0.06	G	Daily Value		DV	RM558	Sodium
Normal	POTAS	Potassium	0.20	G	Daily Value		DV	RM559	Potassium
Normal	LLEUCINE	L-Leucine	2.50	G	Proprietary Blend	Micronized BCCA Blend	PB	RM552	L-Leucine
Normal	LISOLEUCIN	L-Isoleucine	1.25	G	Proprietary Blend	Micronized BCCA Blend	PB	RM553	L-Isoleucine
Normal	LVALINE	L-Valine	1.25	G	Proprietary Blend	Micronized BCCA Blend	PB	RM554	L-Valine
Normal	LGLUTAMINE	L-Glutamine	5.00	G	Non-Daily Value		NDV	RM560	L-Glutamin
Normal	TAURINE	Taurine	500.00	MG	Non-Daily Value		NDV	RM561	Taurine
Normal	ELECTROLYT	Electrolyte Blend	1.00	G	Proprietary Blend		NDV	RM562	Electrolyte Blend
Other			0.00		Daily Value			RM563	Natural Flavors
Other			0.00		Daily Value			RM564	Organic Stevia Extract
Other			0.00		Daily Value			RM565	Citric Acid
Other			0.00		Daily Value			RM566	Silicon Dioxide
Other			0.00		Daily Value			RM567	Dried Cane Sugar
Other			0.00		Daily Value			RM568	Malic Acid
Other			0.00		Daily Value			RM569	Calcium Silicate
Other			0.00		Daily Value			RM570	Tartatic Acid

The fields in the Nutrients Grid are:

- Line Type** – The options are:
  - Normal** – (Default) – Indicates that the row contains a nutrient target. When this option is selected, the system enables the selection in the Property ID. The system also enables the Target per Serving and Quantity BOM fields.
  - Incidental** – Indicates that a nutrient was automatically added to a formula when a component was selected, but the nutrient was not the targeted nutrient when the component selection occurred.

For example, a raw material may contain multiple nutrients. The target nutrient is added as a Normal line type and a raw material is selected from the system suggestions. All of the other nutrients on the raw material are automatically added to the formula as incidentals.

- Other** – Indicates a component which is not considered to have nutrients. When this option is selected, the Property ID and Target per Serving fields are disabled. When using this option, the user should select the Component and enter the Quantity BOM.
- Property ID** – Nutrient ID, which is selected from the Property table.
- Property Name** – Nutrient description from the Property table. This field can also be used as a quick-lookup for finding a nutrient. If you type a partial name into this field, the system will look for a match. If a single match is found, then the system will automatically complete the value in this field. If multiple matches are found, then the system will display a selection dialog. When a property name is selected, the property ID is automatically populated.

- **Target per serving** – Nutrient target. The system uses this target to suggest which products can be added to the formula in order to meet this target.
- **Unit** – DV Unit from the Property table.
- **Label Type** – Determines which section the nutrient should show in the Supplement Facts panel. This value comes from the Property table. The options are:
  - a. **Daily Value**
  - b. **Non-Daily Value**
  - c. **Proprietary Blend**
  - d. **Don't show**
  - e. **N/A**
- **PB Group** – Proprietary Blend Group name. A value should be entered into this field when the Label Type is Proprietary Blend.
- **Sort code** – When used for a Daily Value nutrient, this value controls the order that the nutrient shows within the Supplement Facts panel section. Note that for label types other than Daily Value, this sort order is ignored and the order is determined by the weight percentage of the nutrient.
- **Component** – Product ID of the component that was added to the formula.
- **Description 1** – Product description.
- **Potency** – Nutrient potency for the product. The nutrient potency is defined on the product record.
- **Quantity BOM** – Quantity of the component required, excluding overages.
- **Quantity BOM w/ Overage** – Quantity of component required, including overages. This is the quantity that will show on the Formula Ingredients tab and will be the quantity used when publishing the formula to a BOM.
- **Overage %** - Defines the overage required for the component.

It is common in the Nutraceutical industry to overfill in order to prevent the possibility of delivering a product that does not meet its label claims. An overage % is used to define the amount of this overfill and to provide a buffer to ensure that label claims are always met or exceeded.

- **UOM** – UOM for the Quantity BOM.
- **Description** – UOM Description
- **Label Description** – Label claim for the nutrient.
- **BOM Sequence Number** – Link to the Ingredients tab (for more information see [Ingredients Tab](#)).

## Calculated Totals

As components are added to a formula, the totals are calculated in the calculated totals section. These totals are the same totals on the Ingredients tab, but are shown on Nutrients tab for convenience tab (for more information see [Ingredients Tab](#)).

### CALCULATED TOTALS

Total	Unit	Manual Yield %	Net
22.00000000	G	100.00	22.00

## Package Sizes

Package Sizes can be specified for the formula in the Package Sizes grid.

### PACKAGE SIZES

	Package Number	Unit	Capsule	Units Per Package	Servings Per Package
1	1	C01	RAW470	60	30
2					

The fields in this grid are:

- **Package Number** – Sequence number for the package row.
- **Unit** – The package unit. For example, this can be a bottle size, a blister pack, etc. The short description field for this unit of measure shows on the Supplement Facts Panel beside the serving size.
- **Capsule** – If the formula is encapsulated, then the capsule product ID is selected here. Otherwise, this field will be blank.
- **Units per Serving** – Number of units, such as capsules, within a package.
- **Servings** – Number of servings within the package.

*Note that these package sizes are only used on the formula. These package sizes are not transferred to the product when a product is published.*

## R&D Formula - Ingredients Tab

The Nutrient tab is a plug-in to the R&D Formula feature. As the Nutrient tab is populated, this data is automatically reflected on the Ingredients tab. The Ingredients tab is used for the standard **Procession** R&D Formula functionality such as costing the formula and for publishing the formula.

## INGREDIENTS

Cost Site \* → NA022    Currency \* → USD    Valuation method

Update Cost    Update UOM Factors

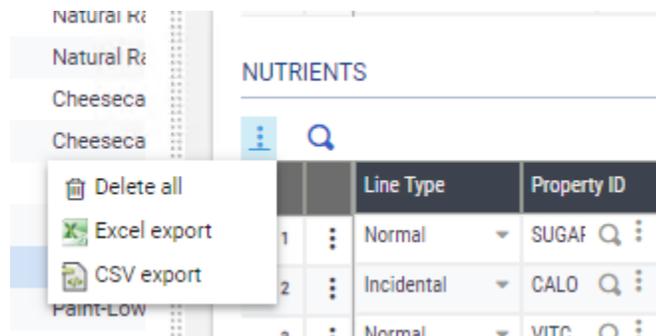
	Se...	Type	Ingredient	Description	Qua...	UOM	Lock ...	% scrap	Weight %	Volume %	Unit Cost	Ma
1	15	Normal	RM574	Pantothenic Acid Powder	114.416	MG	<input type="checkbox"/>	0.000	99.1354	0.000	0.0010	
2	20	Normal	RM550	Sugar	1	MG	<input type="checkbox"/>	0.000	0.8646	0.000	.0005	
3							<input type="checkbox"/>					

It is recommended that all changes to the components be made from the Nutrient tab. However, changes on the ingredient tab will flow back to the Nutrient tab, with the exceptions described below.

A formula can be resized on the Ingredient tab, for example to resize from 101 G to 100 G. When a formula is resized, the quantities of all the components, which are not marked as locked, are adjusted.

If deleting a component, it is recommended to delete one row at a time. When deleting a component in this manner from either the nutrients or ingredients, the system will keep the Nutrient and Ingredient grids in sync.

Sage also has an option to “Delete All” in a grid. If this option is used on one grid, then the Nutrient and Ingredient grids will not automatically synchronize. Therefore, it is not recommended to use this feature, unless the Delete All is performed on both grids at the same time.



## Calories

The calories of a component can be defined using the CALO property ID on the product properties.

Product

IDENTIFICATION    MANAGEMENT    UNITS OF MEASURE    FINANCIALS    SALES    AFTER-SALES    CUSTOMERS    PURCHASING    SUPPLIERS    PROPERTIES

ID	Property Name	Property Value	Sort Order	Qty.	UOM
1	CALO Calories Per Serving				0.0065 MG
2	SUGAR Sugars		DV	1	MG
3					

In the Nutrient grid, calories for the formula can either be targeted as a Normal line type, or else they can be added as incidentals.

NUTRIENTS

25 Results Display: 10

	Line Type	Property ID	Property Name	Target per serving	U..	Label Type	PB Group	Sort code	Component	Description 1	Potency	Quantity BOM	Quantity BOM w/ Ove...	Overage %	UOM	Description	Label Description
1	Normal	SUGAR	Sugars	4.00	G	Daily Value		DV	RMS50	Sugar	100%	4000	4000	0.00	MG	Milligram	Sugars
2	Incidental	CALO	Calories Per Serving	25.00	MG	Daily Value			RMS50	Sugar	0.65%			0.00			Sugars

If the CALO property ID is used in the Nutrients grid of a formula, then Calories will print on the Supplement Facts panel in the section and format shown below.

Supplement Facts		
Serving Size: 1 Scoop (22 G)		
Servings Per Container: 60		
	Amount per Serving	%DV
<b>Calories</b>	<b>26</b>	
<b>Sugars</b>	4 G	10%

### Nutrient Example

The following is an example demonstrating the functionality of the Nutrient grid. In this example, the Targets/Totals grid is left blank and a row is added to the Nutrients grid for VITB5. The target is set to 100. The unit for this nutrient is defined in DV Unit of the [Property Table](#) as “MG”.

NUTRIENTS

CERTIFIED

Certified      Certified by →      Date

SIZING

Overage Method      Servings      Serving UOM  
 divide by 1 - Overage %      1      →

TARGETS/TOTALS

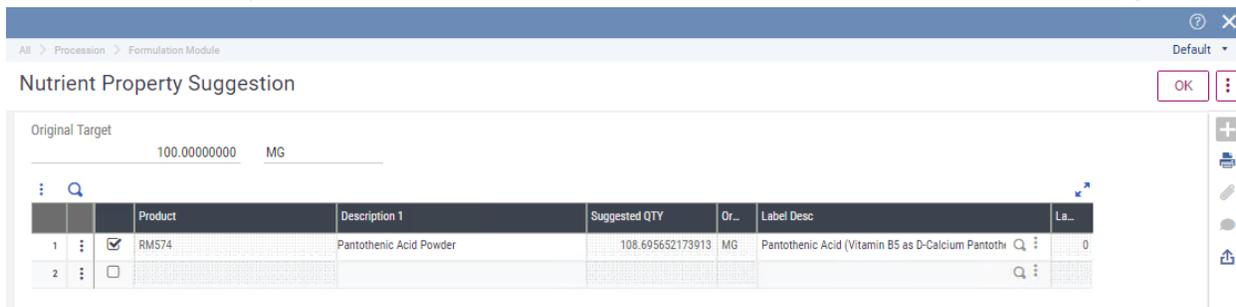
	Property ID	Property Name	Target per serving	Actual per serving	U..	Acceptable Low	Acceptable High	Lo..
1								<input type="checkbox"/>

NUTRIENTS

	Line Type	Property ID	Property Name	Target per serving	U..	Label Type	PB Group	Sort code
1	Normal	VITB5	Pantothenic acid (vitamin B5)	100				

## Nutrient Property Suggestion

After entering the target per serving, the system displays component suggestions in order to allow the selection of the component, which will be used in the formula in order to meet the nutrient target.



The Nutrient Property Suggestion window shows a list of different products that contain the nutrient.

- **Selection** – A checkmark in this column indicates that this product will be added to the formula
- **Product** – Product ID.
- **Description 1** – Product Description.
- **Suggested QTY** – Required quantity of the product in order to meet the nutrient target.
- **Unit** – Formula UOM. This is the UOM for the Suggested QTY.
- **Label Desc** – Product Label Claim. This description will print on the Supplement Facts panel. The list of available label claims is defined on the product (see [Product Label Claim](#)).

## Label Claim Selection

If there is a single label claim available for a product, then this label claim will default into the Label Desc column. However, if there is more than one available for the product, then the user will need to select the correct label claim.



After selecting the product to add from the Nutrient Property Suggestion window, the “OK” button is pressed in order to add the product to the formula.

## Nutrient Incidental Suggestion

If the product has other nutrients, besides the target nutrient, then these nutrients will be considered incidentals. In this scenario, the system will show the incidentals on the Nutrient Incidental Suggestion

window. After the Label Description is selected for each incidental, the “OK” button is pressed in order to complete this process.



The image below shows the results of the selections above.

TARGETS/TOTALS

Property ID	Property Name	Target per serving	Actual per serving	U.	Acceptable Low	Acceptable High	Lo...
1 : VITB5	Pantothenic acid (vitamin B5)	0.00000000	99.99999999	MG	0.00000000	99.99999999	<input type="checkbox"/>
2 : CALCIUM	Calcium	0.00000000	8.69565217	MG	0.00000000	8.69565217	<input type="checkbox"/>
3 :							<input type="checkbox"/>

NUTRIENTS

Line Type	Property ID	Property Name	Target per serving	U.	Label Type	PB Group	Sort code	Component	Description 1	Potency	Quantity BOM	Quantity BOM w/ Ove...	Overage %	UOM	Description	Label Description
1 : Normal	VITB5	Pantothenic acid (vitamin B5)	100.00	MG	Daily Value		DV	RM574	Pantothenic Acid Powder	92%	108.695652173913	114.416475072540	5.00	MG	Milligram	Pantothenic Acid (V
2 : Incidental	CALCIUM	Calcium	8.69	MG	Daily Value		DV	RM574	Pantothenic Acid Powder	8%			0.00	MG		Calcium
3 :																

In this example, the product RM574 was added to the formula as a component. This raw material had a 92% potency defined for VITB5 on the product. The required quantity was calculated as 108.7 mg. The user entered an Overage % of 5% for the VITB5 nutrient. Based upon this overage, the system calculated a required quantity of 114.42 mg.

An incidental line was added to the formula for CALCIUM. The system has determined that 8.69 mg of calcium will result from adding RM574 to the formula in the quantity above.

Totals for each nutrient are summed on the TARGET/TOTALS grid. In this example, since the nutrients were not manually added to this grid, the system automatically created the total records in this grid.

### Proprietary Blends

One or more proprietary blends (PB) can be added to the formula. The requirements for adding a PB are:

1. Label Type must be set to “Proprietary Blend”
2. PB Group must be defined. This is the name that will print on the Supplement Facts Panel.
3. Sort Code must contain a unique ID for each PB Group. For example, if there are 2 PBs on the formula, the first could have a sort code of PB1 and the second PB2. This sort code is used to group the components of the PB together on the Supplement Facts Panel, but the actual location of the PB on the panel will be determined by the weight % of the PB compared to the other nutrients in the same section of the Supplement Facts Panel.

## NUTRIENTS

	Line Type	Property ID	Property Name	Target per serving	U..	Label Type	PB Group	Sort code
1	Normal	SUGAI	Sugars	4.00	G	Daily Value		DV
2	Incidental	CALO	Calories Per Serving	26.00	MG	Daily Value		
3	Normal	VITC	Vitamin C (Ascorbic Acid)	50.00	MG	Daily Value		DV
4	Normal	VITB1	Cobalamine (vitamin B12)	60.00	MCG	Daily Value		DV
5	Normal	CALCI	Calcium	90.00	MG	Daily Value		DV
6	Normal	MAGN	Magnesium	105.00	MG	Daily Value		DV
7	Normal	SODIU	Sodium	0.06	G	Daily Value		DV
8	Normal	POTA	Potassium	0.20	G	Daily Value		DV
9	Normal	LLEUC	L-Leucine	2.50	G	Proprietary Blend	Micronized BCCA Blend	PB
10	Normal	LISOLI	L-Isoleucine	1.25	G	Proprietary Blend	Micronized BCCA Blend	PB
11	Normal	LVALII	L-Valine	1.25	G	Proprietary Blend	Micronized BCCA Blend	PB

### Other Components

Components, which have no nutritional value, can also be added to the formula. In the example below, 1 mg of sugar is added to the formula with a line type of “Other”.

NUTRIENTS

	Line Type	Property ID	Property Name	Target per serving	U..	Label Type	PB Group	Sort code	Component	Description 1	Potency	Quantity BOM	Quantity BOM w/ Ove...	Overage %	UOM	Description	Label Description
1	Normal	VITB5	Pantothenic acid (vitamin B5)	100.00	MG	Daily Value		DV	RM574	Pantothenic Acid Powder	92%	108.695552173911	114.416475972540	5.00	MG	Milligram	Pantothenic Acid (V
2	Incidental	CALCIUM	Calcium	8.69	MG	Daily Value		DV	RM574	Pantothenic Acid Powder	8%			0.00	MG	Milligram	Calcium
3	Other			0.00		Daily Value			RM550	Sugar		1	1	0.00	MG	Milligram	
4																	

The process for entering rows of type “Other” is to first select the line type and then select the component. Lastly, enter the Quantity BOM to indicate the amount of the component that will be used in the formula.

## R&D Formula Nutrient Supplement Facts Panel

The Supplement Facts panel can be printed from the formula by selecting the printer icon, selecting “Record” and then selecting the report XJBASUPPANEL.

The first screenshot shows a window titled "Selection Print codes" with a table of reports:

Type	Code	Title
Reports	XJB7FORMULA	Procession-Formula w/ Notes
Reports	XJBASUPPANEL	Supplament Panel

The second screenshot shows the "Enter report parameters" window. The report code is XJBASUPPANEL and the title is Supplament Panel. Below is a table of parameters:

Parameter title	Parameter type	First value
1 : Formula ID	Single	NUTRIENT_MIX_REV-001
2 : Container #	Single	1
3 :		

The Container # is the number from the packages sizes that were defined for the formula. Enter the package number in order to specify which package will print on the Panel.

The Panel can also be printed from the Package Sizes grid by selecting the action menu for the package. Select the “Supplement Panel” option in order to print the Panel. When printing the panel using this method, the Container # will default to the package number from the grid.

The screenshot shows a "Package Sizes" grid with an action menu open over the first row. The menu options are:

- + Insert
- Delete
- Popup view
- Supplement Panel

The grid row is:

Pack...	Unit
1	C01

## Supplement Facts Example

The following is an example of the Supplement Facts Panel printed using the *Procession* Nutraceutical plug-in.

<b>Supplement Facts</b>		
Serving Size: 1 Scoop (22 G)		
Servings Per Container: 60		
	Amount per Serving	%DV
<b>Calories</b>	<b>26</b>	
Sugars	4 G	10%
Vitamin C (as ascorbic acid)	50 mg	55%
Vitamin B12 (as cyanocobalamin)	60 mcg	2,500%
Calcium	90 mg	6%
Magnesium	105 mg	26%
Sodium	60 mg	4%
Potassium	200 mg	4%
Micronized L-Glutamine	5 G	**
<b>Micronized BCCA Blend</b>	<b>5 G</b>	
Vitamin C (as ascorbic acid) Micronized L-Leucine	2.5 G	**
Micronized L-Isoleucine	1.25 G	**
Micronized L-Valine	1.25 G	**
<b>Electrolyte Blend: (Potassium Chloride, Calcium Citrate Malate, Magnesium Oxide, Sodium Chloride)</b>	1 G	**
Taurine	500 mg	**
<b>Other Ingredients:</b> Dried Cane Sugar, Natural Flavors, Citric Acid, Malic Acid, Silicon Dioxide, Calcium Silicate, Tartatic Acid, Tumeric Root Extract, Lecithin, Xanthan Gum, Organic Stevia Extract		

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