PRODUCT FORMULATION

NutraSweet® in Beverage Mixes

ADVANTAGES OF NUTRASWEET® AND SUCROSE BLENDS IN BEVERAGE MIXES

- Adds clean, sweet taste
- Provides sweetness at low concentrations
- May enhance and extend certain fruit flavors, especially citrus
- Possible nutrient content claims§ include reduced sugar, reduced calories, and light
- Delivers equivalent sweetness and acceptability compared to formulations using only sucrose
- Decreased ingredient, packaging, and transportation costs
- Easy to use in standard manufacturing processes
- Stability of NutraSweet® in dry product is excellent

WORKING WITH NUTRASWEET® AND SUCROSE BLENDS IN BEVERAGE MIXES

- Recommended use level: <1%
- Can use NutraSweet® Powder or Custom Granular 100™
- Preblending NutraSweet with other ingredients ensures adequate distribution

§ It is best to consult with a regulatory or legal consultant to determine the appropriate claims and final labeling requirements for your product.

† A 65:35 blend is the ratio of sweetness contributed by the ingredients and not the ratio by weight.

REDUCED SUGAR/LIGHT§ RED PUNCH POWDERED SOFT DRINK MIX SWEETENED WITH 65:35 BLEND† OF SUCROSE AND NUTRASWEET®

Ingredient	%
Sugar	91.72
Citric acid	3.79
Maltodextrin, M100	2.04
Flavors and colors	1.58
Tricalcium phosphate	0.45
NutraSweet® brand sweetener	**0.22**
Potassium citrate	0.16
Vitamin C	0.04
	100.00%

Nutrition Information per 15.5g serving (prepared in 8 fl.oz. water)

Calories	60
Carbohydrates (g)	14.5
Sugar (g)	14.2
Sugar Alcohols (g)	0

BV43

REDUCED SUGAR/LIGHT§ ICED TEA POWDERED SOFT DRINK MIX SWEETENED WITH 65:35 BLEND† OF SUCROSE AND NUTRASWEET®

Ingredient	%
Sugar	89.13
Tea powder	6.33
Citric acid	3.16
Maltodextrin, M100	1.05
NutraSweet® brand sweetener	**0.19**
Flavors and colors	0.14
	100.00%

Nutrition Information per 11.9g serving (prepared in 8 fl.oz. water)

Calories	40
Carbohydrates (g)	10.7
Sugar (g)	10.6
Sugar Alcohols (g)	0

BV45

Reduced Sugar/Reduced Calorie[§] Lemonade Powdered Soft Drink Mix Sweetened With 65:35 Blend[†] of Sucrose and NutraSweet®

Ingredient	%
Sugar	87.55
Citric acid	8.45
Maltodextrin, M100	1.55
Flavors and colors	0.98
Potassium citrate	0.57
Tricalcium phosphate	0.57
NutraSweet® brand sweetener	**0.21**
Clouding agent	0.08
Vitamin C	0.04
	100.00%

Nutrition Information per 15.3g serving (prepared in 8 fl.oz. water)

Calories	60
Carbohydrates (g)	13.6
Sugar (g)	13.4
Sugar Alcohols (g)	0

BV49

Reduced Sugar[§] Hot Cocoa Mix Sweetened With 65:35 Blend[†] of Sucrose and NutraSweet®

Ingredient	%
Sugar	39.36
Whey powder	22.94
Non-fat dry milk, agglomerated	13.11
Cocoa powder	8.54
Maltrin M500	8.48
Non-dairy creamer	5.98
Salt	1.21
Disodium phosphate	0.30
NutraSweet® brand sweetener	**0.08**
	100.00%

Nutrition Information per 23.4g serving (prepared in 8 fl.oz. water)

Calories	90
Carbohydrates (g)	18.1
Sugar (g)	15.3
Sugar Alcohols (g)	0

BV44

Process Description Beverage Mixes with NutraSweet®

1. Weigh all ingredients individually in quantities required for the batch size.
2. Place ½ of the major ingredients in a ribbon blender.
3. Mix all other ingredients and some of the remaining sugar. Layer onto the sugar in the blender.
4. Add the rest of the sugar.
5. Blend for 12 minutes.
6. Brush down the sides of the blender and remix for an additional 3 minutes.
7. Package in poly-lined container as required.

Note: The following quantities are mixed with 2 quarts of water to make liquid beverage:

Red Punch Mix	124.0 g
Iced Tea Mix	94.8 g
Lemonade Mix	122.5 g

More Information is Available to You

This bulletin is intended to be general in nature. We are eager to work with you in the development of new products and processes. For additional information about our products, please call **1-800-323-5321 (USA/Canada)**

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Visit our website at www.nutrasweet.com

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