



Cargill solutions for healthier, more affordable beverages

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Orange soft drink – Standard recipe



Standard recipe (%)

Water	81.6
Sugar syrup	16.4
Orange compound	1.0
Orange concentrate	0.36
Preservatives (Potassium sorbate (30%) - Sodium benzoate (30%))	0.066
Acidity regulators (Citric acid, ascorbic acid, Trisodium citrate)	0.392
Coloring: beta carotene 1% (10%)	0.2

Orange soft drink - Nutritionals



Standard recipe	
Energy (kcal/ 100g)	44.7
Fats %	
- of which saturated	
Carbohydrates %	11.2
- of which sugars	11.2
- of which fibres	
Proteins %	
Salt %	








Optimization opportunities

Cost reduction



Sugar reduction

Recipes - Summary

BEVERAGES	Key ingredient	Nutri-score	Cost
Standard	Sucrose syrup		
Cost-reduced	<ul style="list-style-type: none"> C☆TruSweet® F47 glucose-fructose syrup 		Cost reduction
30% Sugar-reduced, label-friendly	<ul style="list-style-type: none"> C☆TruSweet® F95 fructose syrup 		Cost parity
30% Sugar-reduced	<ul style="list-style-type: none"> C☆TruSweet® F42 glucose-fructose syrup Truvia® RA 80 stevia leaf extract 		Cost reduction
60% Sugar-reduced, label-friendly	<ul style="list-style-type: none"> C☆TruSweet® F95 fructose syrup ViaTech® TS 300 stevia leaf extract 		Cost increase

Download recipes: <https://www.cargill.com/food-beverage/emea/healthier-more-affordable-solutions>

**Cost reduction in
Beverages**

COST

Cost reduction – C☆TruSweet® F47



Glucose-fructose syrup

- ✓ 1 to 1 sugar replacer
- ✓ Comparable taste profile to sugar
- ✓ Ready to use syrup
- ✓ Significant cost reduction opportunities



No impact on nutritionals





**Sugar reduction in
Beverages**

Sugar Reduction – 3 Options

**30% sugar
reduction
Label-friendly**

Single ingredient replacement



**30% sugar
reduction**

Ingredient combination



**60% sugar reduction
Label-friendly**

Ingredient combination

30% Sugar reduction— C★TruSweet® F95



95% pure Fructose syrup

- ✓ High relative sweetness versus sucrose
- ✓ Delivers the same sweet taste at lower usage levels
- ✓ Enables 30% sugar reduction



Label-friendly solution

- ✓ Referred to as fruit sugar
- ✓ Single ingredient sucrose replacement

30% Sugar reduction– C☆TruSweet® F42 & Truvia® RA 80



Glucose-fructose syrup & Stevia

- ✓ Enables 30% sugar and calorie reduction
- ✓ Truvia® RA 80 is a high purity Reb A, delivering a clean sweet taste



Cost reduction opportunities

- ✓ C☆TruSweet® F42 has a comparable sugar profile versus sucrose
- ✓ Ready to use syrup

60% Sugar reduction— C☆TruSweet® F95 & ViaTech® TS 300



95% pure Fructose syrup & stevia

- ✓ Combination of ingredients enables deeper sugar reduction (sugars $\leq 3.5\%$) and Nutri-score improvement (from E to D)
- ✓ Fructose syrup has a high relative sweetness versus sucrose, and delivers the same sweet taste at lower usage levels
- ✓ ViaTech® is a range of patented combinations of optimal synergistic stevia leaf extracts, that delivers optimal taste and sweetness.



Label-friendly solution

- ✓ Both fructose syrup and stevia have a neutral to positive consumer perception



Helping the world *thrive*