Cost Effective Emulsifier for Opaque Soft Drink

IDEA	SOLUTION
Develop a cost-effective beverage	A chilled, non-sparkling, opaque
with a gum arabic replacement.	soft drink.

PURITY GUM® Ultra is a high-performance, cost-effective beverage emulsifier for the replacement of gum arabic where its use is not viable in a formulation. It robustly stabilises up to 24% oil, delivering significant turbidity to finished drinks at up to 40% less cost. It is suitable for use in both soft drinks and alcoholic beverages.

Opaque Soft Drink Recipe

Ingredients		% as is
Water, demineralised		87.66
Sugar syrup		12.0
Orange-flavoured emulsion containing		
PURITY GUM® Ultra* emulsifier		0.10
Citric acid		0.18
Ascorbic acid		0.02
Potassium sorbate		0.015
Sodium benzoate		0.025
	Total	100.00

^{*}Orange flavour emulsion (20% weighted oil, 6% PURITY GUM® Ultra).

Preparation

- 1. Weigh the sugar syrup and water into a beaker and mix
- 2. Weigh and mix to the water phase in the following order sodium benzoate, potassium sorbate, citric acid, ascorbic acid and flavour emulsion
- 3. Carbonise and fill bottles with beverage
- 4. Store the finished drink in refrigerated conditions until consumption



Nutritional Information

Nutrients per 100g

1 0	
ENERGY (kj / kcal)	222 / 53
FAT (g)	0.0
of which SATURATES (g)	0.0
CARBOHYDRATE (g)	12.1
of which SUGARS (g)	1.7
of which STARCH (g)	0.1
DIETARY FIBRE (g)	0.0
PROTEIN (g)	0.0
SALT (g) 0.	0 [10mg]

Allergen Information

PURITY GUM® Ultra contains Sulphur Dioxide (SO2) at a typical concentration of <10 ppm.



Ingredion Germany GmbH Gruener Deich 110 20097 Hamburg Germany

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