

PRODUCT SPECIFICATIONS & TECHNICAL DATA

SBDS

LIQUID CARAMEL COLOR, CLASS IV – E150d

CAS No: 8028-89-5 / EINECS: 232-435-9

Description

According to Title 21 CFR 73.85, the color additive Caramel is the dark brown liquid or solid material resulting from the carefully controlled heat treatment of food-grade carbohydrates. Certain food-grade acids, alkalis and salts may be employed to assist caramelization.

Ingredients list: Caramel Color
Labelling: Caramel Color, Caramel

Organoleptic properties

Appearance: Dark brown, fluid liquid
Odor: Typical
Taste: Characteristic bitter, burnt sugar taste

Chemical / Physical properties – Specifications (as manufactured)

Tinctorial Power: 0.342-0.378 (560 nm, 0.1% solution), Absorbance units
pH: 2.7-3.4 (as is)
Baume': 29.0-30.5 @ 60°F (15.5°C)
Specific Gravity: 1.250-1.266 @ 60°F (15.5°C)

Chemical / Physical properties - Indicative values

Color Intensity: 0.215-0.230 (610 nm, 0.1 % solution), Absorbance units
Dry Matter: 48.5%
Density: 10.41-10.55 (lb/gal @ 60°F (15.5°C))

Microbiological properties

Aerobic Plate Count: < 200 cfu/g
Yeast: < 10 cfu/g
Mold: < 10 cfu/g
E. coli: < 3 MPN/g
Salmonella: Negative/25g

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Heavy Metals

Arsenic:	< 0.1 ppm
Lead:	< 0.1 ppm
Mercury:	< 0.01 ppm
Cadmium:	< 0.1 ppm

GMO / Genetically Engineered (GE) status

Non-GE: Verified by the Non-GMO Project.

Raw Material

Carbohydrate source: Cane Sucrose Syrup

Conformity & Use

Conformity: 21 CFR 73.85, 21 CFR 182.1235 (GRAS), Food Chemical Codex (FCC)
 Use: Follow Good Manufacturing Practices (GMPs)

Packaging, Storage Conditions, Best Used within

Packaging: Food Grade: 5 gal containers, 55 gal drum and bulk
 Storage conditions: Cool and dry environment, preferably not to exceed 90°F (32°C). Product should not be allowed to freeze.
 Best Used Within: 24 months from date of manufacture

Allergens

No protein allergens present. Gluten-free by source. Sulfites present (as process reactants).

Disclaimer

The information provided in this Product Specification & Technical Data document relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. All information and instructions provided in this Product Specification & Technical Data document are based on the current state of our knowledge at the latest revision date indicated. It is the responsibility of the user to be aware of and to follow the regulations applying to our product for its possession, handling and use.

Nutrition Data is compiled from the average analysis of typical batches of this product. It is the final user's responsibility to determine the nutritional content of their product. Nutrition Data is for guidance only.

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SBDS	
Nutrition Data (per 100g)	
Calories	60 Calories (kcal)
Kilojoules	251 Kilojoules (kJ)
Moisture	51.5 * g
Total Fat	0 * g
Saturated Fat	0 g
<i>Trans</i> Fat	0 g
Cholesterol	0 mg
Sodium	750 mg
Total Carbohydrates	34.7 * g
**Dietary Fiber	0 g
Total Sugars	2.8 g
Added Sugars	0 g
Protein	0 * g
Total Nitrogen	1.7 * g
Total Sulfur	4.1 * g
***Sulfite	<2100 ppm
Total Vitamins	0 mg
Vitamin A	0 mg
Vitamin C	0 mg
Vitamin D	0 mcg
Folic Acid	0 mcg
Ash	8.0 * g
Calcium	3 mg
Iron	<1 mg
Potassium	2030 mg
Phosphorous	1 mg
* Total Analysis	100.0 g

** Does not meet FDA definition

*** See Sulfite Statement

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