

SETHNESS PRODUCTS COMPANY

LF410

POWDERED CARAMEL COLOR

CLASS IV – E150d

TENTATIVE SPECIFICATION

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. This product is GRAS (21 CFR 182.1235).		
Ingredient Statement	Caramel Color, Caramel, Caramel Color (100%) or Caramel (100%)		
Organoleptic Properties	Characteristic bitter, burnt sugar taste.		
GMO Status	This product is GMO-free by test (PCR negative). This Caramel Color is produced with genetically engineered components.		
Chemical/Physical Properties (as manufactured)	Property	Range	
	Tinctorial Power, K _{0.56} (560nm)	0.390-0.430	
	pH, 1% w/v solution	7.6-8.6	
	Moisture, % max.	6.0	
	Particle size, % through #100 U.S. Standard Sieve, min.	90	
	Color Intensity (typical) (610nm)	0.221-0.253	
	4-Methylimidazole (4-MeI), ppm	<200	
Microbiological Properties	Test	Unit	Limit
	Aerobic Plate Count (APC)	cfu/g, max.	1000
	Yeast	cfu/g, max.	20
	Mold	cfu/g, max.	20
	E. coli	MPN/g	<3
	Salmonella	cfu/375 g	Negative
Packaging	50 pound cartons		
Storage Conditions	The product should be stored in tightly closed containers in a cool and dry environment, preferably not to exceed 90°F.		
Shelf-life	Two year minimum		
Good Manufacturing Practice	Rotate inventory and maintain stock no longer than one year.		

Please see corresponding Nutritional document for additional information.

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