Product: Soluble Cascara Extract Powder	Code: CEJP ID 002	TS Revision: 00

Description: Soluble Cascara Extract Powder is manufactured by aqueous extraction of dried coffee fruit cascara. The product is extracted, concentrated and spray dried using maltodextrin as a carrier. The product is manufactured following Good Manufacturing Conditions.

Sensory Quality

	Specification	Method
Appearance	Free flowing Powder	Visual
Color	Brown	Visual

Analytical Quality

	Specification	Method
Moisture %	< 6%	AACC 44-15a
Particle size through 40 Mesh	> 95%	USP
Caffeine	0.5 – 2.0%	HPLC
Total Polyphenol Content (mg GEA/g)	20 - 50	Folin's Method

Microbiological Quality

	Specification	Method
Total Plate Count	<10,000 CFU/g	AOAC 966.23
Yeasts	<1000 CFU/g	FDA BAM 7th Ed.
Molds	<1000 CFU/g	FDA BAM 7th Ed.
Salmonella PCR	Negative/25g	AOAC -RI031002
E. coli MPN	<3/g	AOAC 966.24

Heavy Metals Analysis	Specification	Method
Arsenic (As)	< 10 ppm	AAS
Lead (Pb)	< 10 ppm	AAS
Mercury (Hg)	< 10 ppm	AAS
Cadmium (Cd)	< 10 ppm	AAS

Packaging: Product packed in metalized bags 11 Lbs. per bag further packed in carton 22 Lbs. per carton. Product is hygroscopic and needs to be stored in tightly sealed container in a cool room (< 25 C), sheltered from light, moisture & oxygen. Storage & handling is recommended to be in dry condition at less than 40% relative humidity.

Shelf life: 24 months from date of manufacture in unopened bags when stored & handled in the above stated conditions.

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Soluble Cascara Extract Powder
Material Code: CEJP ID 002

NUTRITIONAL INFORMATION

Nutritional Component	*Units*	*AVERAGE QUANTITY PER 100 g*
Moisture	grams	4.58
Energy	Kcal	349
Protein	grams	4.06
Total Sugars	grams	3.02
Added Sugars	grams	0.0
Fat – Total	grams	< 0.1
Fat – Saturated	grams	< 0.1
Trans Fat – Total	grams	< 0.10
Total Carbohydrate	grams	83.2
Total Dietary Fiber	grams	4.35
Cholesterol	milligrams	< 0.80
Sodium	milligrams	51.2
Vitamin C (mg)	milligrams	< 1.0
Vitamin D (mcg)	micrograms	1.67
Calcium (mg)	milligrams	68.6
Iron (mg)	milligrams	3.6
Potassium (mg)	milligrams	3630
Total Ash (g)	grams	8.16

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