



# Product Technical Specification

Product Code CEBN LA 001

Revision  
01

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**Product: Soluble Cascara Extract Powder**

**Code: CEBN LA 001**

**TS Revision: 00**

**Description:** Soluble Cascara Extract Powder is manufactured by aqueous extraction of dried coffee fruit cascara from Arabica variety. The product is extracted, concentrated and spray dried using maltodextrin as a carrier. The product is manufactured following Good Manufacturing Conditions. This product is approximately 25X concentrated extract of dried coffee cascara.

	<b>Specification</b>	<b>Method</b>
Appearance	Free flowing Powder	Visual
Color	Light Brown/Beige	Visual
Moisture %	<6%	AOAC 926.08
Particle size through 40 Mesh	100%	USP
Caffeine	0.5-1.5%	HPLC
Total Polyphenol Content (mg GEA/g)	26-32	Folin's Method

### Microbiological Quality

Total Plate Count	<10,000 CFU/g	AOAC 966.23
Yeasts	<100 CFU/g	FDA BAM 7 <sup>th</sup> Ed.
Molds	<100 CFU/g	FDA BAM 7 <sup>th</sup> Ed.
Salmonella PCR	Negative/25g	AOAC -RI031002
E. coli MPN	<3/g	AOAC 966.24

### Heavy Metals Analysis

	<b>Specification</b>	<b>Method</b>
Arsenic (As)	< 1ppm	AOAC 2015.01 Mod
Lead (Pb)	< 1 ppm	AOAC 2015.01 Mod
Mercury (Hg)	< 1 ppm	AOAC 2015.01 Mod
Cadmium (Cd)	< 1 ppm	AOAC 2015.01 Mod

**Packaging:** Product packed in metalized bags 11 Lbs. per bag further packed in carton 22 Lbs. per carton. Product is highly hygroscopic and needs to be stored in dry condition with 35% or below RH preferably in airconditioned, temperature of 15-25 Deg C. Open packs should be sealed completely and stored in the same conditions.

**Shelf life:** 2 years in unopened bags stored in the above conditions.

**Application Guidance:** For Beverage applications usage recommendation is 0.6- 1.0% in formulations.



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### Soluble Cascara Extract Powder

#### NUTRITIONAL INFORMATION

<i>Nutritional Component</i>	<i>Units</i>	<i>AVERAGE QUANTITY PER 100 g</i>
Moisture	Grams	4.2g
Energy	Kcal	350
Protein	Grams	8.69
Total Sugars	grams	25 – 35
Added Sugars	grams	0.0
Fat – Total	grams	0.13
Fat – Saturated	grams	0.1
Trans Fat – Total	grams	<0.10
Total Carbohydrate	grams	75-80
Total Dietary Fiber	grams	4-6
Cholesterol	milligrams	<0.80
Soluble Dietary Fiber	grams	3-5
Sodium	milligrams	14.4
Vitamin C (mg)	milligrams	<1.0
Vitamin D (mcg)	micrograms	3.56
Calcium (mg)	milligrams	74
Iron (mg)	milligrams	2.1
Potassium (mg)	milligrams	3420
Total Ash (g)	grams	7.95