



PRODUCT CODE: N 1170

Chocamine™ Cocoa Extract Specification

PRODUCT FEATURES

- Patent Pending extract of Cocoa
- Standardized to Theobromine and Caffeine
- Enhances Mood, Outlook and Energy
- Broad range of applications in food, beverage and nutritional supplements

PHYTOCHEMICAL MARKERS

Compound	Specification
Theobromine	NLT 12%
Caffeine	NLT 8%

SOURCE MATERIAL

Botanical Name: *Theobroma cacao*

Part Used: seeds

Common Name: Cocoa

Country of Origin: Brazil or Africa

MANUFACTURING

Extraction Ratio: Approximately 4-5:1

Extraction Solvent: None

Solubility: Partially Soluble in water

INGREDIENTS, EXCIPIENTS & ADDITIVES

Ingredients: Cocoa PE, Theobromine from Cocoa, Caffeine, Natural Spices and Flavors, Guar Gum.

PACKAGING

Primary: Double poly bags

Secondary: 25 Kg fiber box or drum

STORAGE AND SHELF LIFE

Store in a cool dry area away from extreme conditions of heat and cold. Product is hygroscopic, opened containers should be resealed immediately.

Shelf life for unopened containers is three years.

SUGGESTED SERVING SIZE

200 mg to 1,000 mg per serving. Up to 3 servings per day.

PHYSICAL CHARACTERISTICS

Appearance: Fine hygroscopic powder

Color: Brown to Dark Brown

Odor/Taste: Characteristic

Particle size: NMT 95% through 30 mesh

NMT 40% through 60 mesh

Bulk Density: Min. 35 g/100 ml

MICROBIOLOGY / IMPURITIES

Parameter	Level
Total Plate Count	<10,000 CFU/g
Total Coliforms	<3 CFU/g
Yeast and Mold	<1,000 CFU/g
Salmonella	Negative/25 g
E. coli	<3 CFU/g
Heavy Metals	<10 ppm
Pesticide	<0.1 ppm
Solvents	None used

REGULATORY STATUS & SAFETY

Approved for sale as a dietary supplement (DSHEA, 1994)

All components of Chocamine™ are either GRAS or are Approved Food Additives

REPORTED OR TRADITIONAL USES

Energy, Mood,

APPLICATIONS

Beverages: sports and energy drinks, beverages

Functional Foods: nutritional bars, snacks, cereals and confectionary applications

Dietary Supplement: capsules, tablets, chewable tablets

CERTIFICATIONS

Certificate of Analysis