

SPECIFICATION SHEET	
Product Name	Cocoa Extract Theobromine
Botanical Name	<i>Theobroma cacao</i>
Part Used	Fruit
Ratio	4-10:1
PARAMETERS	SPECIFICATION
PHYSICAL CHARACTERISTICS	
Description	Light yellow colored powder
Solubility	Slightly soluble in water and anhydrous ethanol. Slightly soluble in ammonia. Soluble in 0.5M Sodium hydroxide solution.
Identification A) By IR Spectrum B) Chemical Test C) Xanthines	A) IR Spectrum obtained from sample should be concordant with that of Theobromine WRS. B) A White crystalline precipitate is formed. C) Should Comply
Acidity	Should Comply
Loss on Drying (w/w)	NMT 5%
Related Substances(By TLC)	Not more than 0.5%
CHEMICAL PARAMETERS	
Assay	6.00% on dried basis
Heavy Metals	
Arsenic	NMT 1 PPM
Lead	NMT 3 PPM
Mercury	NMT 0.1 PPM
Cadmium	NMT 1 PPM
MICROBIOLOGICAL AND PATHOGEN ANALYSIS	
Total Plate Count	NMT 1000 cfu/gm
Yeast & Molds	NMT 100 cfu/gm
Escherichia coli	Absent
Salmonella	Absent
Pseudomonas Aeruginosa	Absent
Staphylococcus aureus	Absent

ANALYZED BY	REVIEWED BY	APPROVED BY
Q.C Executive	Q.C Manager	Q.A Manager

NECTAR PHYTOCHEMS PVT. LTD.

Corp. Office : 167, 6th Floor, Tower-A, The Corenthum, A-41, Sector-62, Noida-201301
 Works : Village-Jhandi Chaur (West), Kotdwar, Uttarakhand, Contact : +91-0120-4504243
 E-mail : md@nectarphyto.com, sales@nectarphyto.com
 Website : www.nectarphyto.com, www.nectarbio.com

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