

Certificate of Analysis

Product Name:	Theobromine	Batch Number:	Varies
Botanical Name:	Theobroma cacao	Manufacture Date:	Varies
Used part:	Seeds	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay		98.0 - 101.0%	98.28 - 99.77%
Physical	Appearance	White powder	Complies
	Odor & Taste	Characteristic	Complies
	Particle size	100% pass 80 mesh	Complies
	Loss on drying	≤ 0.5 - 3%	0.02 - 0.80%
	Sulphated ash	≤ 0.1 - 1%	0.03 - 0.95%
	Related substances	≤ 0.5%	Complies
Chemical	Heavy Metals	≤ 10 - 20 ppm	Complies
	Lead (Pb)	≤ 2 - 3 ppm	Complies
	Arsenic (As)	≤ 1 - 2 ppm	Complies
	Cadmium (Cd)	≤ 1 - 2 ppm	Complies
	Mercury (Hg)	≤ 0.1 - 0.5 ppm	Complies
Microbial	Total Plate Count	≤ 1000 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	E. Coli, Salmonella, Staphylococcus	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place	
	Shelf life	Three years	

