

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Paullinia Cupana Seed Extract  
**INCI Name:** Maltodextrin, Paullinia Cupana (guarana) seed extract, caffeine, carnitine, microcrystalline cellulose, cysteic acid, calcium pantetheine sulfonate  
**CAS Number:** 9050-36-6, 84929-28-2, 58-08-2, 541-15-1, 9004-34-6, 23537-25-9, 34644-00-3  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 36 months from production date

Property	Specification	Analysis
Appearance (Internal method) (Visual)	Fine, beige, light brown or roseate appearing powder	Pass
Loss on Drying (EP 2.2.32 Evaporation, gravimetric)	≤5%	2%
Nitrogen, Total (EP 2.5.9 Potentiometric titration (Kjeldahl))	7.1-8.6% (calculated on dry basis)	7.6%
pH of the 5% aqueous suspension (EP 2.2.3 Potentiometric)	5.0-6.0	5.42
Particle Size: >500 µm (EP2.9.38 Sieve analysis)	≤10%	Pass
Particle Size: 125-500 µm (EP 2.9.38)	70-95%	Pass
Total Aerobic Mesophile Plate Count (EP 2.6.12 Pour plate method)	<100 CFU/g	Pass
Specified Microorganisms (Colipa "Guideline on Microbial Quality Management")	Not detectable in 1g	Pass

"Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement. The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions." This report is not to be signed. All data are as per our supplier.

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.