

# Certificate of Analysis

**SVETOL®**

Batch N° : A039/043/A11

Ref.  
GA501320

	SPECIFICATIONS	METHODS	RESULTS
<b>Organoleptic Quality :</b>			
Appearance:	Fine powder	Visual: (CQ-MO-148)	Conform
Color :	Yellow to yellow brown	Visual: (CQ-MO-148)	Conform
Flavor :	Characteristic	Sensory: (CQ-MO-148)	Conform
<b>Active Compound :</b>			
Caffeine content :	< 2 %	HPLC: (CQ-MO-431)	0.73
Total polyphenols content :	50 - 55 %	Folin as chlorogenic acid: (CQ-MO-275)	53.72
Total chlorogenic acids content :	45 - 50 %	HPLC: (CQ-MO-431)	49.67
5-caffeoylquinic acid content :	10 - 15 %	HPLC: (CQ-MO-431)	14.4
5-caffeoylquinic acid/total chlorogenic acids ratio :	0.2 - 0.3	Calcul	0.29
<b>Analytical Quality :</b>			
Identification :	HPLC conform	HPLC: (CQ-MO-431)	Conform
Loss on drying :	< 8 %	I.R. Balance: (CQ-MO-018)	4.83
Particle size :	100 % < 250 µm	Sieve: (CQ-MO-023)	100
pH (4% in water) :	3.5 - 5.5	pH Meter (CQ-MO-123)	4.03
Aflatoxins (B1+B2+G1+G2) content :	< 10 µg/kg	NF.EN.12955	Conform
Aflatoxin B1 content :	< 2 µg/kg	NF.EN.12955	Conform
Ochratoxin A content :	< 10 µg/kg*	NF.EN.14132	Conform
Total heavy metals :	< 20 ppm	ICP-MS	Conform
Lead content :	< 3 ppm	ICP-MS	Conform
Arsenic content :	< 1 ppm	ICP-MS	Conform
Cadmium content :	< 1 ppm	ICP-MS	Conform
Mercury content :	< 0.1 ppm	ICP-MS	Conform
Pesticide residues :	Complies with Eur. Ph. 2.8.13 current ed.	External laboratory	Conform
<b>Microbiological Quality :</b>			
Total plate count :	< 10 000 cfu/g	Eur. Ph. current ed. - 5.1.4	Conform
Yeasts and molds :	< 100 cfu/g	Eur. Ph. current ed. - 5.1.4	Conform
Enterobacteria :	< 100 cfu/g	Eur. Ph. current ed. - 5.1.4	Conform
Salmonella :	Negative/10g	Eur. Ph. current ed. - 5.1.4	Conform
E.coli :	Negative/g	Eur. Ph. current ed. - 5.1.4	Conform
Staphylococcus aureus :	Negative/g	Eur. Ph. current ed. - 5.1.4	Conform
<b>Description :</b>			
Botanical name : Coffea canephora robusta P.			
Plant part used : Decaffeinated green beans			
Extract ratio : 6-8 / 1			