

## CERTIFICATE OF ANALYSIS

**Product Code 22025**

**Batch n° XPUR150610**

■ Product description	: Citrus and guarana extracts, citric acid, natural flavour : Whole fruits (juice, peel) and seeds.
■ Color	: Beige
■ Aspect	: Fine Powder
■ Taste	: Characteristic
■ Odor	: Typical
■ Analytical date	: June 2015
■ Expiry date	: June 2017

Description	Specifications	Results
■ Flavanones (%)	≥ 13%	20.1%
■ Caffeine (%)	1 – 4%	1.22%
■ Loss on drying (%)	≤ 10%	2.1%
■ Ash (%)	≤ 10%	0.1%
■ Solubility (1% W/V)	Moderate in Water	Conforms
■ pH (10% W/V)	2.0 – 5.0	2.6
■ Bulk density	≥ 0.30	0.54
■ Tapped density	≥ 0.60	0.88
■ Mesh Size (US mesh)	95% through 50mesh	Conforms
■ Arsenic (As, ppm)	≤ 2ppm	< 0.1
■ Cadmium (Cd, ppm)	≤ 1 ppm	< 0.01
■ Mercury (Hg, ppm)	≤ 0.1 ppm	0.023
■ Lead (Pb, ppm)	≤ 3ppm	< 0.03
■ Benzo[a]pyrene (ppb)	≤ 2ppb	NA
■ Methanol (ppm)	Comply with Eur. Ph.	Conforms
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■ Pesticides (ppm)	Comply with Eur. Ph. & Reg. (EC) 396/2005	Conforms
■ Synephrine (ppm)	≤ 200ppm	Conforms
■ Total plate count	< 10 000 CFU/g**	Conforms
■ Yeasts & moulds	< 100 CFU/g**	Conforms
■ Coliforms	< 10 CFU/g	Conforms
■ E. Coli	Absence/1g	Absence
■ Salmonella	Absence /25g	Absence
■ Staphylococcus aureus	Absence /1g	Absence

\*\* Acceptable maximal count : 5 times the acceptance criterion according to Eur. Ph. VII<sup>e</sup> Ed 5.1.8 Category B

**Packaging** : 25kg in a double polyethylene bag & box

**Storage** : 24 months in the original unopened bag under cool (15-25°C) and dry conditions away from light

**Handling** : handle powder according to safety instructions (see label)

**June 2015**