



*Athesis*

Via S. Marco, 80 - 37138 VERONA - Italy  
Tel 045/565270 - Fax 045/4750210 - Cell 348/2664035

E-mail: [info@athesis-herbs.com](mailto:info@athesis-herbs.com) - <http://www.athesis-herbs.com>  
P.I.: 03877740237 - C.F.: TRZMRC58L19D957N - R.E.A.: VR373142

## CERTIFICATE OF ANALYSIS

<b>Product</b>	<b>Echinacea PE 4%</b> <b>Echinacea ES 4%</b>
<b>Botanical name</b>	<b><i>Echinacea purpurea L.</i></b>
Origin	P.R. China
Part used	Tops
Batch No.	20110627
Manufacturing date	'06/2011
Expiry date	'06/2014

<b>ITEM</b>	<b>SPECIFICATION</b>	<b>RESULT</b>
<b>Appearance</b>	Brown-yellow fine powder	Complies
<b>Odour &amp; taste</b>	Characteristic	Complies
<b>Assay – Poliphenols (By UV)</b>	4.0 % min.	4.21%
<b>Sieve analysys</b>	90 % pass 80 mesh	Complies
<b>Loss on Drying</b>	5.0 % max	4.05 %
<b>Carrier</b>	Maltodextrins 5% max	Complies
<b>Extract solvents</b>	Water & alcohol	Complies
<b>Bulk density</b>	40 – 60 g/100 ml	48 g/100 ml
<b>Heavy metals</b>	20 ppm max.	Complies
Lead (Pb)	3 ppm max	Complies
Arsenic (As)	2 ppm max	Complies
Mercury (Hg)	0.1 ppm max	Complies
Cadmium (Cd)	1 ppm max	Complies
<b>Serilization method</b>	High temperature and pressure	Complies
<b>GMO, gluten and irradiation</b>	Free	Complies

<b>Microbiology</b>		
Total bacterial count	10000 CFU/gr max.	Complies
Yeast & mould	100 CFU/gr max.	Complies
E. coli	Negative	Complies
Salmonella	Negative	Complies
Staphylococcus	Negative	Complies

<b>Conclusion</b>	Conform with specifications
<b>Storage</b>	Store in a cool & dry place. Do not freeze Keep away from strong light and heat
<b>Shelf life</b>	3 years when properly stored

Il presente certificato è conforme a quello del nostro fornitore. Le indicazioni sopra riportate non Vi sollevano in ogni caso dall'identificare e controllare il prodotto in relazione all'impiego previsto.