

QUALITY - CONFORMITY CERTIFICATE

Rev. N° 3

Product: L108911	E.S. CARCIOFO 5-6% A.CAF.25 KG	Print Date:	18/06/2012
Botanical Name:	Cynara cardunculus L. scolymus	Lot N°:	A110003612/001
Botanical Part:	Leaf	Analysis N°:	2012/0044279
Origin :	EUROPEAN COMMUNITY	Release Date :	30/01/2012
Carrier:	Maltodextrin	Retest Date:	01/2015
Extraction Solvent: Aqueous			

Note: Lot also valid for code L108908L

Appearance/Indicative: Brown fine powder, odour characteristic.

Physical/Chemical Test :

	Method	References	Units	Limits	Result
Loss on drying	EP 7th	M.B. Limits	%	=< 5,0	4,0
Total ash	EP 7th	M.B. Limits	%	=< 15,0	13,8
Apparent density	M.B.	M.B. Limits	g/l	500 - 700	677,9
Particle size					
Not less pass 300 um (50 Mesh)		M.B. Limits	%	=> 90	Conformable

Assay :

	Method	References	Units	Limits	Result
Caffeilquinic acids, as chlorogenic acid					
	Spectr.	M.B. Limits	%	5-6	5,7

Heavy Metals :

	Method	References	Units	Limits	Result
Pb	AAS-ETA	Reg. EC 629/2008	ppm	=< 3,0	<0,10
Cd	AAS-ETA	Reg. EC 629/2008	ppm	=< 1,0	0,077
Hg	AAS-CV	Reg. EC 629/2008	ppm	=< 0,1	<0,025

Radioactivity :

According to Reg. EC 1048/2009

	Method	References	Units	Limits	Result
Radioactivity	Internal	Rif. EC	Bq/Kg	=< 600	Conformable

Mycotoxins :

Limits based on similar products category reported in the references

	Method	References	Units	Limits	Result
Aflatoxin B1	Immunoass.	Reg. EC 1881/2006	ppb	=< 5,0	<1,7
Aflatoxin B1, B2, G1, G2	Immunoass.	Reg. EC 1881/2006	ppb	=< 10,0	<1,7

Microbiology :

Cat in acc. to Eur.Ph. 7th or on the basis of use destination

	Method	References	Units	Limits	Result
Aerobic bacteria (TAMC)	Internal	EP 5.1.8. - Cat. B	cfu/g	=< 5x10e4	<10
Fungi (Yeasts/Moulds) (TYMC)	Internal	EP 5.1.8. - Cat. B	cfu/g	=< 5x10e2	<10
Bile-tol. gram neg. bacteria	Internal	EP 5.1.8. - Cat. B	cfu/g	=< 10e2	<10
Escherichia coli	Internal	EP 5.1.8. - Cat. B	g	Absent in 1	Absent
Salmonella	Internal	EP 5.1.8. - Cat. B	g	Absent in 25	Absent

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Pesticides: :

Within the defined scope of testing, pesticide residues comply with the maximum limits of Regulations (EC) No.396/2005, including annexes and successive updates and/or European Pharmacopoeia.

When applicable, we can use specific concentration factors for processed raw materials.

CONFORMABLE PESTICIDES LIST C01 Rev.Nr° 1

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OTHER INFORMATION:

This product has not been irradiated.

GMO :Product non-GMO according to certificate of our supplier (Reg.1829/2003-1830/2003 EC)

Retest :3 years after release date.

Storage :Please keep the product tightly closed, away from heat , light and humidity.

Applications:Processed in food area. Can be mixed with others nutrients in formulations suitable tablets, capsules and powders.

Allergens :No presence (DIR EC 2007/68), based on supplier and internal informations.

BSE/TSE :The product doesn't contain animal material. Therefore the question of BSE is not relevant.

Pesticides : Scope of testing see company web site.

Pesticides list see quality-conformity certificate

DECLARATIONS:

ABBREVIATIONS:

n.d.=not detectable - n.t.=not tested - c.h.=conformity based on historical data and HACCP plan.
c.p.m.= conformity based on data referring to processed material.

REMARKS

The product has been analysed only for the test included in this certificate; the analysis was carried out on a batch sampling.

We cannot be responsible for any other tests requested when using product for specific purpose.

Analysis results stated on this certificate come from tests done or respecting of historical data provided by our HACCP self-control plan.

Final Judgement: CONFORMABLE

This certificate is a computer copy of the original signed analysis certificate.
It is valid without any signature

MB MED S.r.l.
Managed by
Quality Management
Dr. Paola Coletto