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QUALITY - CONFORMITY CERTIFICATE

Rev. N° 1

Product: **L116057L E.S.GINEPRO BACCHE 1:3F10 25KG**
(Juniperus communis)

Botanical Part: Berry
Origin: EUROPEAN COMMUNITY
Carrier: Maltodextrin
Extraction Solvent: Water

Print Date: 27/05/2008
Lot N°: PPO0004600/805
Analysis N°: 2008/0030150
Prod. Date: 16/05/2008
Retest Date: 05/2011

Appearance: Brown fine powder, odour characteristic

Physical/Chemical Test :

	Method	References	Units	Limits	Result
TLC (Thin Layer Chromatography)		M.B. Limits		Conformable	Conformable c.p.m.
Total ash	EP 6th	M.B. Limits	%	=< 5,0	< 5,0 c.h.
Loss on drying	EP 6th	M.B. Limits	%	=< 8,0	< 8,0 c.h.
Apparent density	M.B.	M.B. Limits	g/l	300-700	Conformable
Particle size					
Not less pass 300 um (50 Mesh)		M.B. Limits	%	=> 90	Conformable

Assay :

	Method	References	Units	Limits	Result
Min. ratio Extract/drug		M.B. Limits		1/3	Conformable

Heavy Metals :

	Method	References	Units	Limits	Result
Pb	AAS-ETA	FU XI° Ed. (Pharm. use)	ppm	=< 3,0	< 3,0 c.p.m.
Cd	AAS-ETA	FU XI° Ed. (Pharm. use)	ppm	=< 0,5	< 0,5 c.p.m.
Hg	AAS-CV	FU XI° Ed. (Pharm. use)	ppm	=< 0,3	< 0,3 c.p.m.

Pesticides : (Determination GC) according to Eur.Ph. 6th and M.B. list of Italian Legisl.

CONFORMABLE
Radioactivity :

In accordance with EC

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

Mycotoxins :

(In accordance with Dir. 98/53)

	Method	References	Units	Limits	Result
Aflatoxin B1	Immunoass.	FU XI° Ed. (Pharm. use)	ppb	=< 5	< 2,4
Aflatoxin B1,B2,G1,G2	Immunoass.	FU XI° Ed. (Pharm. use)	ppb	=< 10	< 2,4

Microbiology :

Cat in acc. with FU XI° Ed. and Eur.Ph. 6th limit in function of use destination

	Method	References	Units	Limits	Result
Aerobic bacteria	Internal	Cat.3B	cfu/g	=< 5x10e4	< 10e4
Fungi (Yeasts/Moulds)	Internal	Cat.3B	cfu/g	=< 5x10e2	< 10e2
Enterobacteriaceae	Internal	Cat.3B	cfu/g	=< 10e2	< 10e2
Salmonella	Internal	Cat.3B	g	Absent in 10	Absent
Escherichia coli	Internal	Cat.3B	g	Absent in 1	Absent
Staphylococcus aureus	Internal	Cat.3B	g	Absent in 1	Absent

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Rev. N° 1

Product: L116057L E.S.GINEPRO BACCHE 1:3F10 25KG (Juniperus communis) Botanical Part: Berry Origin : EUROPEAN COMMUNITY Carrier: Maltodextrin Extraction Solvent: Water	Print Date: 27/05/2008 Lot N°: PPO0004600/805 Analysis N°: 2008/0030150 Prod. Date: 16/05/2008 Retest Date: 05/2011
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OTHER INFORMATION:

This product has not been irradiated.

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

Stability :3 years after production date at room temperature

Storage :Please keep the product in well closed containers and protect from light and humidity

Application :Can be mixed with others nutrients in formulations suitable tablets, capsules and powders.

Allergens :No presence (DIR 2003/89/EC, 2006/142/EC),based on supplier and internal informations.

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

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

Technical Manager
 Dr. Valter Vittone

MARTIN BAUER S.p.A.

Via Carlo Pisacane, 9 - 10042 Nichelino (Torino) - Italia

QUALITY - CONFORMITY CERTIFICATEProduct: L116057L E.S.GINEPRO BACCHE 1:3F10 25KG
(Juniperus communis)Botanical Part: Berry
Origin: EUROPEAN COMMUNITY
Carrier: Maltodextrin
Extraction Solvent: WaterPrint Date: 27/05/2008
Lot N°: PPO0004600/805
Analysis N°: 2008/0030150
Prod. Date: 16/05/2008
Retest Date: 05/2011

Pesticides (Determination GC) according to Eur.Ph. 6th and M.B. list of Italian Legislat.

ORGANOPHOSPHORUS	(1)	(2)	(3)	(4)	CHLORINATED	(1)	(2)	(3)	(4)
Azinphos Ethyl	0,01	0,05		c.h.	Aldrin + Dieldrin	0,1	0,1	0,05	c.h.
Azinphos Methyl	0,01	1	1	c.h.	Chlordane +				
Chlorfenvinphos	0,01	1	0,5	c.h.	Oxychlordane	0,05	0,05	0,05	c.h.
Chlormephos	0,01	0,01		c.h.	o,p'-DDD				c.h.
Chlorpyrifos	0,5	3	0,2	c.h.	p,p'-DDD				c.h.
Chlorpyrifos Methyl	0,01	3	0,1	c.h.	o,p'-DDE				c.h.
Diazinon	0,01	1	0,5	c.h.	p,p'-DDE				c.h.
Dichlorvos	0,01	2	1	c.h.	o,p'-DDT				c.h.
Dimethoate	0,01	2		c.h.	p,p'-DDT				c.h.
Disulfoton	0,01	0,2		c.h.					
Ethion	0,01	2	2	c.h.	Sum of isomers	1	1	1	c.h.
Fenchlorphos	0,01	0,01		c.h.	Endosulfan I +				
Fenitrothion	0,01	2	0,5	c.h.	Endosulfan II	3	3	3	c.h.
Phenthoate	0,01	0,01		c.h.	Endrin	0,01	0,01	0,05	c.h.
Fonofos	0,01	0,01	0,05	c.h.	Heptachlor +				
Phorate	0,01	0,1		c.h.	Heptachlorepoxyd	0,01	0,01	0,05	c.h.
Phosalone	0,01	2	0,1	c.h.	Hexachlorobenzene	0,1	0,1	0,1	c.h.
Isofenphos	0,01	0,01		c.h.					
Malathion (*)	0,01	8	1	c.h.	alfa - HCH				c.h.
Methidathion	0,01	2	0,2	c.h.	beta - HCH				c.h.
Parathion	0,01	0,05	0,5	c.h.	delta - HCH				c.h.
Parathion Methyl	0,01	0,2	0,2	c.h.	others - HCH				c.h.
Pirimiphos Methyl	0,5	5	4	c.h.					
Sulfotep	0,01	0,01		c.h.	Sum of isomers	0,3	0,3	0,3	c.h.
Tetrachlorvinphos	0,01	0,01		c.h.					
					Lindane			0,6	c.h.
HERBICIDES	(1)	(2)	(3)	(4)	Sum of isomers+Lindane	0,6	0,6	0,9	c.h.
Alachlor	0,01	0,02	0,02	c.h.					
Atrazine	0,01	0,1		c.h.	Methoxychlor	0,01	0,01		c.h.
Simazine	0,01	0,1		c.h.	Perthane	0,01	0,01		c.h.
Terbutylazine	0,01	0,1		c.h.					
Trifluralin	0,01	0,15		c.h.					
FUMIGANTS	(1)	(2)	(3)	(4)	FUNGICIDES	(1)	(2)	(3)	(4)
Methyl Bromide	0,01	0,1		c.h.	Dithiocarbamates			2	c.h.
Carbon Sulfide	0,01	0,1		c.h.	Quintozone +				
Carbon Tetrachloride	0,01	0,1		c.h.	Pentachloroaniline	0,01	0,05	1	c.h.
Bromopropylate	0,01	2	3	c.h.	PYRETHROIDS	(1)	(2)	(3)	(4)
Piperonyl Butoxide	0,01	20	3	c.h.	Cypermethrin	0,01	2	1	c.h.
					Deltamethrin	0,01	3	0,5	c.h.
					Fenvalerate	0,01	0,4	1,5	c.h.
					Permethrin	0,01	0,05	1	c.h.
					Pyrethrins	0,01	3	3	c.h.

(1) Plants cultivated in Italy (ppm) (2) Plants not subject to the Italian cultivation (ppm)
(3) Eur.Ph. 6th (ppm) (4) Residual found (ppm) - Result: < data is QL method.

Judgement: CONFORMABLE

QUALITY - CONFORMITY CERTIFICATE

Rev. N° 1

Product: L116057L	E.S.GINEPRO BACCHE 1:3F10 25KG	Print Date: 12/06/2008
	(Juniperus communis)	Lot N°: PFO0004958/806
Botanical Part: Berry		Analysis N°: 2008/0030332
Origin : EUROPEAN COMMUNITY		Prod. Date: 10/06/2008
Carrier: Maltodextrin		Retest Date: 06/2011
Extraction Solvent: Water		

Appearance: Brown fine powder, odour characteristic

Physical/Chemical Test :

	Method	References	Units	Limits	Result
TLC (Thin Layer Chromatography)		M.B. Limits		Conformable	Conformable c.p.m.
Total ash	EP 6th	M.B. Limits	%	=< 5,0	< 5,0 c.h.
Loss on drying	EP 6th	M.B. Limits	%	=< 8,0	< 8,0 c.h.
Apparent density	M.B.	M.B. Limits	g/l	300-700	Conformable
Particle size					
Not less pass 300 um (50 Mesh)		M.B. Limits	%	=> 90	Conformable

Assay :

	Method	References	Units	Limits	Result
Min. ratio Extract/drug		M.B. Limits		1/3	Conformable

Heavy Metals :

	Method	References	Units	Limits	Result
Pb	AAS-ETA	FU XI° Ed. (Pharm. use)	ppm	=< 3,0	< 3,0 c.p.m.
Cd	AAS-ETA	FU XI° Ed. (Pharm. use)	ppm	=< 0,5	< 0,5 c.p.m.
Hg	AAS-CV	FU XI° Ed. (Pharm. use)	ppm	=< 0,3	< 0,3 c.p.m.

Pesticides : (Determination GC) according to Eur.Ph. 6th and M.B. list of Italian Legisl.

CONFORMABLE
Radioactivity :

In accordance with EC

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

Mycotoxins :

(In accordance with Dir. 98/53)

	Method	References	Units	Limits	Result
Aflatoxin B1	Immunoass.	FU XI° Ed. (Pharm. use)	ppb	=< 5	< 5 c.h.
Aflatoxin B1, B2, G1, G2	Immunoass.	FU XI° Ed. (Pharm. use)	ppb	=< 10	< 10 c.h.

Microbiology :

Cat in acc. with FU XI° Ed. and Eur.Ph. 6th limit in function of use destination

	Method	References	Units	Limits	Result
Aerobic bacteria	Internal	Cat.3B	cfu/g	=< 5x10e4	<5X10e4 c.h.
Fungi (Yeasts/Moulds)	Internal	Cat.3B	cfu/g	=< 5x10e2	<5X10e2 c.h.
Enterobacteriaceae	Internal	Cat.3B	cfu/g	=< 10e2	< 10e2 c.h.
Salmonella	Internal	Cat.3B	g	Absent in 10	Absent c.h.
Escherichia coli	Internal	Cat.3B	g	Absent in 1	Absent c.h.
Staphylococcus aureus	Internal	Cat.3B	g	Absent in 1	Absent c.h.

QUALITY - CONFORMITY CERTIFICATE

Rev. N° 1

Product: L116057L E.S.GINEPRO BACCHE 1:3F10 25KG (Juniperus communis) Botanical Part: Berry Origin : EUROPEAN COMMUNITY Carrier: Maltodextrin Extraction Solvent: Water	Print Date: 12/06/2008 Lot N°: PPO0004958/806 Analysis N°: 2008/0030332 Prod. Date: 10/06/2008 Retest Date: 06/2011
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OTHER INFORMATION:

This product has not been irradiated.

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

Stability :3 years after production date at room temperature

Storage :Please keep the product in well closed containers and protect from light and humidity

Application :Can be mixed with others nutrients in formulations suitable tablets, capsules and powders.

Allergens :No presence (DIR 2003/89/EC, 2006/142/EC),based on supplier and internal informations.

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

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

Technical Manager
 Dr. Valter Vittone

MARTIN BAUER S.p.A.

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QUALITY - CONFORMITY CERTIFICATEProduct: L116057L E.S.GINEPRO BACCHE 1:3F10 25KG
(Juniperus communis)Botanical Part: Berry
Origin: EUROPEAN COMMUNITY
Carrier: Maltodextrin
Extraction Solvent: WaterPrint Date: 12/06/2008
Lot N°: PPO0004958/806
Analysis N°: 2008/0030332
Prod. Date: 10/06/2008
Retest Date: 06/2011

Pesticides (Determination GC) according to Eur.Ph. 6th and M.B. list of Italian Legis1.

ORGANOPHOSPHORUS	(1)	(2)	(3)	(4)	CHLORINATED	(1)	(2)	(3)	(4)
Azinphos Ethyl	0,01	0,05		c.h.	Aldrin + Dieldrin	0,1	0,1	0,05	c.h.
Azinphos Methyl	0,01	1	1	c.h.	Chlordane +				
Chlorfenvinphos	0,01	1	0,5	c.h.	Oxychlordane	0,05	0,05	0,05	c.h.
Chlormephos	0,01	0,01		c.h.	o,p'-DDD				c.h.
Chlorpyrifos	0,5	3	0,2	c.h.	p,p'-DDD				c.h.
Chlorpyrifos Methyl	0,01	3	0,1	c.h.	o,p'-DDE				c.h.
Diazinon	0,01	1	0,5	c.h.	p,p'-DDE				c.h.
Dichlorvos	0,01	2	1	c.h.	o,p'-DDT				c.h.
Dimethoate	0,01	2		c.h.	p,p'-DDT				c.h.
Disulfoton	0,01	0,2		c.h.					
Ethion	0,01	2	2	c.h.	Sum of isomers	1	1	1	c.h.
Fenchlorphos	0,01	0,01		c.h.	Endosulfan I +				
Fenitrothion	0,01	2	0,5	c.h.	Endosulfan II	3	3	3	c.h.
Phenthoate	0,01	0,01		c.h.	Endrin	0,01	0,01	0,05	c.h.
Fonofos	0,01	0,01	0,05	c.h.	Heptachlor +				
Phorate	0,01	0,1		c.h.	Heptachlorepoxyd	0,01	0,01	0,05	c.h.
Phosalone	0,01	2	0,1	c.h.	Hexachlorobenzene	0,1	0,1	0,1	c.h.
Isofenphos	0,01	0,01		c.h.	alfa - HCH				c.h.
Malathion (*)	0,01	8	1	c.h.	beta - HCH				c.h.
Methodathion	0,01	2	0,2	c.h.	delta - HCH				c.h.
Parathion	0,01	0,05	0,5	c.h.	others - HCH				c.h.
Parathion Methyl	0,01	0,2	0,2	c.h.	Sum of isomers	0,3	0,3	0,3	c.h.
Pirimiphos Methyl	0,5	5	4	c.h.	Lindane			0,6	c.h.
Sulfotep	0,01	0,01		c.h.	Sum of isomers+Lindane	0,6	0,6	0,9	c.h.
Tetrachlorvinphos	0,01	0,01		c.h.	Methoxychlor	0,01	0,01		c.h.
					Perthane	0,01	0,01		c.h.
HERBICIDES	(1)	(2)	(3)	(4)	FUNGICIDES	(1)	(2)	(3)	(4)
Alachlor	0,01	0,02	0,02	c.h.	Dithiocarbamates			2	c.h.
Atrazine	0,01	0,1		c.h.	Quintozene +				
Simazine	0,01	0,1		c.h.	Pentachloroaniline	0,01	0,05	1	c.h.
Terbutylazine	0,01	0,1		c.h.					
Trifluralin	0,01	0,15		c.h.	PYRETHROIDS	(1)	(2)	(3)	(4)
FUMIGANTS	(1)	(2)	(3)	(4)	Cypermethrin	0,01	2	1	c.h.
Methyl Bromide	0,01	0,1		c.h.	Deltamethrin	0,01	3	0,5	c.h.
Carbon Sulfide	0,01	0,1		c.h.	Fenvalerate	0,01	0,4	1,5	c.h.
Carbon Tetrachloride	0,01	0,1		c.h.	Permethrin	0,01	0,05	1	c.h.
Bromopropylate	0,01	2	3	c.h.	Pyrethrins	0,01	3	3	c.h.
Piperonyl Butoxide	0,01	20	3	c.h.					

(1) Plants cultivated in Italy (ppm) (2) Plants not subject to the Italian cultivation (ppm)
(3) Eur.Ph. 6th (ppm) (4) Residual found (ppm) - Result: < data is QL method.

Judgement: CONFORMABLE