



Created Date:2021.10.13 Review Date:2021.10.13 Review By:Hannibal Version No:01

Created Date:2021.10.13			Review By:F	iannibai version No:U		
		duct Data She				
	Product name: Milk Thistle Extract AC 0					
1.Technical Data She	et					
CAS number		65666-07-1				
Compliance (Food/ Pharmacopoeia /FCC/Feed) Food (EP)						
Source (animal, plant, m	ineral, petrochemical)	Plant		1		
Item	Standard			Analysis Method		
Appearance	Yellow to Yellowish	-Brown Powder		Visual		
Odor & Taste	Characteristic			Organoleptic		
Typical Analysis						
Identification	TLC			EP9.0		
	Silymarin		≥80%	UV		
	Silymarin		40%-80%	HPLC		
	Silychristin and sily	dianin	20%-45%	HPLC		
	(calculated with ref	ference to total				
	silymarin)					
Assay (Dried)	Silybin A + B	Silybin A + B		HPLC		
	(calculated with ref	(calculated with reference to total				
	silymarin)	silymarin)				
	Isosilybin A + B		10%-20%	HPLC		
	(calculated with ref	erence to total				
	silymarin)	silymarin)				
Particle Size	90% Through 80 m	esh		USP38<786>		
Loss on drying	≤ 5.0%			EP9.0(2.8.17)		
Sulphated Ash	≤ 0.5%		T	EP9.0(2.4.14)		
Residual Solvents	Acetone		≤5000ppm	EP9.0(5.4)		
	N-hexane		≤290ppm	EP9.0(5.4)		
	Ethanol		≤5000ppm	EP9.0(5.4)		
Benzo(a)pyrene	≤10μg/kg			(EU) 2015/1933		
PAH4	≤50μg/kg			(EU) 2015/1933		
Heavy Metals						
Heavy metals	≤ 10ppm			EP9.0(2.4.27)		
Arsenic (As)	≤ 1.0ppm			EP9.0(2.2.58)		
Lead (Pb)	≤ 3.0ppm			EP9.0(2.2.58)		
Cadmium (Cd)	≤ 1.0ppm		EP9.0(2.2.58)			
Mercury (Hg)	≤ 0.1ppm			EP9.0(2.2.58)		
Microorganism						
Total Plate Count	<1000cfu/g			EP9.0(2.2.58)		
Yeast and Mold	<100cfu/g			EP9.0(2.2.58)		
Escherichia Coli	Negative/10g			EP9.0(2.6.12)		
				1		





Salmonella	Negative /25g	EP9.0(2.6.12)		
Package	Packed In 25kgs/Drum			
Shelf life	3 Year When Properly Stored			
Storage	In Tight, Light-resistant and Dry Place. Avoid Direct So	In Tight, Light-resistant and Dry Place. Avoid Direct Sunshine.		

2.Origin	&	ingredient
2.0115111	•	III SI CAICIIC

Country of origin of the product: China Origin Statement: available ⊠

country of origin of the product. Cili	id Oligii	1 Statement, available E
	Botanical Name:	Silybum marianum (L.) Gaertn
Botanical Origin	Part:	Seeds
	Solvent Used:	Acetone

3. Nutrition data					
Nutritional compositi	on	⊠ per 100g	□per serving		
⊠Energy(kJ)	☐Energy(kcal)	1095			
Fat (g)		3.8			
Carbohydrates (g)		20.3			
Protein (g)		1.6			
Sodium (mg)		31			
Dietary Fiber (g/100g)	72.8			
Remarks: Nutrition data are obtained by 3 rd party lab; tested on a yearly basis					

4. Process Quality And Food Safety						
Flow Chart:						
This Product Specification Has Listed The	Deta	iled Process	Flow Chart Of Each	Step		
Of The Actual Production Process From F	Raw M	laterial Pret	reatment To Finishe	d	Integrity Flow Chart Available ⊠	
Product Warehousing, Including Possible	Addi	tives, Proces	ssing Aids, Steps To			
Remove Foreign Matters, CCP, Water Use	ed, Co	mpressed A	ir Etc.			
CCP In Place						
ССР		CL		Loca	tion In Process	
Vacuum drying Temperature		Temperatu	re: 85 ℃	Befo	efore crushing	
		Time: 6 h	ours			
Foreign Body Control						
Have Implemented Control Procedures F	or Gla	ass, Fragile P	lastic Materials	×]	
⊠Sieve		Location:	Before Packing	Mesl	ո Size: 180µm±7.6µm	
⊠Magnetic Device		Location:	Before Packing	Mag	netic Strength: 13400Gauss	
Pest Control						
Conducted By Manufacturer⊠						
By External Contractor \square Name Of Contractor:						
Inspection Frequency: 3 times per month from May to September and 1 times per month From October to April						
Batch No.& Traceability						
Batch Size:	3,000	Okgs				





Batch Definition:	Signification Of The Batch No. By An Example:				
	Year +Month+Day				
	20201205: 2020year+12month+05th				
We Confirm That We Perform Batch And	d Traceability Management On The Whole Process From Raw Material Receiving,				
Production Process, Storage And Trans	portation, By Focusing On Raw Materials, Semi-Finished Products, Production				
Processing And Transportation, Related	Records And Product Labels. Take Traceability Exercise On A Annual Basis.				
Supply Chain Custody					
List All The Stages In The Process Of Sup	ply Chain Including Detail Of Every Link Back To Farm, Field Or Ocean. Every Time				
The Raw Material Is Moved, Paid For, Ha	andled, Stored Or Processed, And Final To Customer				
product loading at plant (domestic transportation) loading into container at port warehouse (sea transportation) warehousing & storage overseas					
loading into container (3 party delivery) customer receiving					

	I	
GMO Declaration	YES	NO
The Product Contain or Consist Of GMO		\boxtimes
The Product Is Produced from GMO Or Contain Ingredients Produced From GMO		\boxtimes
(Irrespective Of Whether There Is NDA Or Protein Of GM Origin In The Final		
Production)		
This Product Is Produced By Means Of GM Microorganism Including Precursor		\boxtimes
Substances, E.G. With GMOs Or Genetically Modified Microorganisms Processing		
Aids (Bacteria, Yeast,)		
This Product Is Produced With The Help Of Enzymes, Which Were Obtained From		\boxtimes
GMOs		
Does The Product Contain Any Ingredients From Animal?		\boxtimes
If Yes, Are Genetically Modified Crops Contained In The Feed For The Animal?		
We Confirm That This Product Complies With Regulations EC/18292003 And	\boxtimes	
EC1830/2003 And Keep NON-GMO Statement Available		

5. Allergen declaration

We have carefully reviewed this product according to EU Regulation 1169/2011 and modifications and confirm the following:

	Direct incorporation as a base raw material or in a derivative form (don't forget the carriers, the additives and		CROSS CONTAMINATION					
	the processing aids)	Presence on the production line		Presence on the production workshop		Presence on the production factory		
	Yes N (precise nature)		Yes (precise the nature)	No	Yes (precise the nature)	No	Yes (precise the nature)	No
Cereals containing gluten(1) and products thereof		N		N		N		N





Crustaceans and products thereof	N	N	N	N
Eggs and products thereof	N		N	N
		N		
Fish and products thereof (2)	N	N	N	N
Peanuts and products thereof	N	N	N	N
Soybeans and products thereof (3)	N	N	N	N
Milk and products thereof	N	N	N	N
(including lactose)(4)				
Nuts (5) or products thereof	N	N	N	N
Celery and products thereof	N	N	N	N
Mustard and products thereof	N	N	N	N
Sesame seeds and product thereof	N	N	N	N
Sulphur dioxide and sulphites at	N	N	N	N
concentrations of more than				
10mg/kg or 10 mg/l expressed as				
SO2				
Lupines and products thereof	N	N	N	N
Mollusc and product thereof	N	N	N	N

- (1) Cereals which contain gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) except: wheat-based glucose syrups including dextrose, wheat-based maltodextrins, glucose syrups based on barley, cereals used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages;
- (2) Except: fish gelatine used as carrier for vitamin or carotenoid preparations, fish gelatine or Isinglass used as fining agent in beer and wine;
- (3) Except fully refined soybean oil and fat, natural mixed tocopherols (E306), natural D-alpha tocopherol, natural D-alpha tocopherol acetate, natural D-alpha tocopherol succinate from soybean sources; vegetable oils derived phytosterols and phytosterol esters from soybean sources; plant stanol ester produced from vegetable oil sterols from soybean sources;
- (4) Except when used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages, lactitol;
- (5) almond (Amydalus communis L.) hazelnuts (Corylus avellana), walnut (Juglans regia), cashew (Anacardium occidentale), pecan nuts (Carya illinaiesis), brazil nut (Bertholletia excelsa), pistachio nut (Pistacia vera), macadamia nut and queensland nut (Macadamia terniflora) and products thereof, except nuts used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages;

6.Non Irradiation		
(According To Eu Directive 1999/2/EC & 1999/3/EC)		
This Product Has Been Treated With Ionising Radiation	□Yes	⊠No
None Of The Raw Materials We Used For This Product Have Been Treated	□Yes	⊠No
With Ionising Radiation.		
We Confirm Above Non-Irradiation Statement Is Available		

7.Nanomaterial					
(According To Eu Regulation (Eu) No. 1169/2011)					
This Product Does Contain Any Nanomaterials As Defined In Eu Food	□Yes	⊠No			
Legislation					
This Product Has Been Made With Nanotechnology	□Yes	⊠No			
We Confirm Above Non-Nanomaterial Statement Is Available	×				

8. Residual Solvents

(According To UE Directive 2009/32 Modified By(UE)2010/59; EP5.4;USP476;ICH Q3C(R7))



We Confirm BSE/TSE Statement Is Available

For This Product Following Solvents Are Used During Production Process:			
Solvent A: Acetone Max Residual Level: 5000ppm	⊠Solvent Used		
Solvent B: Ethanol Max Residual Level: 5000ppm	☐Solvent Not Used		
Solvent C: N-hexane Max Residual Level: 290ppm			
	⊠EP8.0		
We Confirm Solvent Residual Of This Product Complies With:	⊠USP <476>		
	⊠ICH Q3C(R7)		
	☑Directive 2010/59/EU		
We Confirm Solvent Residual Statement Is Available			
9.Pesticide Residual			
(According To EC 396/2005; EP07; USP <561>)			
This Product Is Of Vegetable Origin	⊠YES □NO		
We Confirm Pesticide Residual Of This Product Complies With:	⊠EC 396/2005		
	⊠EP 07/2008		
	□USP<561>		
	□N/A		
Pesticide Residual Statement Available			
10.BSE/TSE Information			
(According To EU Legislation 999/2001; EP General Chapter 5.2.8)			
Cattle, Sheep, Goats And Animals That Are Naturally Susceptible To Infect With Transmissible Spongiform			
Encephalopathy Agents Or Susceptible To Infection Through The Oral Route Other Than Humans And Non-Human			
Primates Are Defined As "ESE-Relevant Animal Species			
Pigs Ad Birds Are Not Naturally Susceptible To Infection Via The Oral Route; Therefore, They Are Not TSE-Relevant			
Animal Species. Dogs, Rabbits And Fish Are Not TES-Relevant Animal Species."			
The Product Contains Ingredients Of Ruminant Origin And No Materials	□YES		
Derived From, Or Exposed To Ruminants Affected By Or Under	⊠NO		
Quarantine For Transmitting Transmissible Spongiform Encephalopathy	□NA		
(TSE) / Bovine Spongiform Encephalopathy (BSE)			
In The Manufacturing Of This Product, There Is Raw Or Source Material	□YES		
And /Or Reagent Used That Is Of Animal Origin I.E. Bovine, Serum-			
Albumin, Enzymes, Culture Broths Including Those Used To Prepare	⊠NO		
Working Or Master Cell Tanks			
Equipment/Systems/Tools Use For Processing Or Storage Of The Material	□YES		
Comes Into Contact At Any Time With Materials Of Animal Origin (E.G.,			
Components Of Media Filler Used To Check Such System)	⊠NO		
The Material Is Purified By Using Solvents, Chromatographic Media Or	□YES		
Buffers That Contain Components Of Animal Origin	⊠NO		
We Confirm This Product Complies With:	⊠EU Legislation 999/2001&		
	⊠ EP General Chapter 5.2.8		

 $\boxtimes YES$



11.Contaminants Information		
(According To EU Regulation NO.1881/2006 And NO.629/2008 As Regards Maximum Levels For Certain		
Contaminants In Foodstuff)		
●Aflatoxin B1 <5ppb	⊠YES	(Frequency For Surveillance Test Or
● Aflatoxins B1 + B2 + G1 + G2 < 10ppb	□NO	Batch Test)
●Ochratoxin A <15ppb	□NA	
● Melamine		
For Polycyclic Aromatic Hydrocarbons, In Cocoa Fibre, Banana	⊠YES	(Frequency For Surveillance Test Or Batch
Chips, Food Supplements And Their Preparations, Dried Herbs	□NO	Test)
And Dried Spices:	□NA	
●Maximum Level Of 10 μG/Kg Of Benzo(A)Pyrene		
●50 μG/Kg For The Sum Of PAH4 (PAH4;		
Benzo[A]Pyrene,Chrysene, Benz[A]Anthracene And		
Benzo[B]Fluoranthene) In Food Supplements		
We Confirm This Product Complies With NO.1881/2006 And NO.629/2008 And		⊠YES
Keep Compliance Statement Available		