

## Certificate of Analysis

### QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: March 26, 2024      Product: Livsun Liver Extract Chelated Softgels  
 Product Code: 201646      Lot No.: 22401147      Manufacture Date: Feb. 22, 2024

Active Ingredients	*Base on Input	per unit	Result
Artichoke Extract		100.00 mg	*
Choline Bitartrate		50.00 mg	*
Inositol		50.00 mg	*
DL-Methionine		50.00 mg	*
Schisandra Extract		25.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)		20.00 mg	*
Phyllanthus Urinaria Extract		10.00 mg	*
Turmeric Root Extract		10.00 mg	*
Glutathione		10.00 mg	*
Glycine		10.00 mg	*
L-Arginine		10.00 mg	*
L-Serine		10.00 mg	*
L-Glutamine		10.00 mg	*
Taurine		10.00 mg	*
L-Tyrosine		10.00 mg	*
L-Aspartic Acid		10.00 mg	*
L-Cysteine Monohydrochloride		10.00 mg	*
Desiccant Liver Extract Powder (Sheep)		10.00 mg	*
Folic Acid		200.00 mcg	*

*Excipients: Lecithin, Yellow Beeswax, Soybean Oil*

### Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	Brown oblong #16 shape softgel containing brown paste	Conforms	Visual
Average Filling Weight	892.000 mg ±10 %	874.66 mg	USP <2091>
Weight Variation	Meets USP requirements	Conforms	USP <2091>
Rupture Test	NMT 15 minutes	Conforms	USP <2040>
Shell Moisture Content	6% - 10%	6.66%	USP<731>
Heavy Metals*			
Arsenic	NMT 0.14 mcg/kg b.w./day	Conforms	ICP
Cadmium	NMT 0.09 mcg/kg b.w./day		
Lead	NMT 0.14 mcg/kg b.w./day		
Mercury	NMT 0.29 mcg/kg b.w./day		

\*Based on average body weight: 70kg; Dosage: 1 Softgel/day

**Microbiological Analysis**

ITEM	SPECIFICATION	RESULT	METHODS
Total Aerobic Count	< 1000 cfu/g	Conforms	USP <2021>
Total Combined Mold and Yeasts Count	< 100 cfu/g	Conforms	USP <2021>
E. coli	Negative	Negative	USP <2022>
Salmonella spp.	Negative	Negative	USP <2022>
Staphylococcus aureus	Negative	Negative	USP <2022>
Pseudomonas aeruginosa	Negative	Negative	USP <62>



Quality Control

03/26/2024

Date

## Certificate of Analysis

### QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: May 25, 2023 Product: Livsun Liver Extract Chelated Softgels  
 Product Code: 201646 Lot No.: 22304132 Manufacture Date: May. 05, 2023

Active Ingredients	*Base on Input	per unit	Result
Artichoke Extract		100.00 mg	*
Choline Bitartrate		50.00 mg	*
Inositol		50.00 mg	*
DL-Methionine		50.00 mg	*
Schisandra Extract		25.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)		20.00 mg	*
Phyllanthus Urinaria Extract		10.00 mg	*
Turmeric Root Extract		10.00 mg	*
Glutathione		10.00 mg	*
Glycine		10.00 mg	*
L-Arginine		10.00 mg	*
L-Serine		10.00 mg	*
L-Glutamine		10.00 mg	*
Taurine		10.00 mg	*
L-Tyrosine		10.00 mg	*
L-Aspartic Acid		10.00 mg	*
L-Cysteine Monohydrochloride		10.00 mg	*
Desiccant Liver Extract Powder (Sheep)		10.00 mg	*
Folic Acid		200.00 mcg	*

*Excipients: Lecithin, Yellow Beeswax, Soybean Oil*

### Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	Brown oblong #16 shape softgel containing brown paste	Conforms	Visual
Average Filling Weight	892.000 mg ±10 %	881.810 mg	USP <2091>
Weight Variation	Meets USP requirements	Conforms	USP <2091>
Rupture Test	NMT 15 minutes	Conforms	USP <2040>
Shell Moisture Content	6% - 10%	7.4 %	USP<731>
Heavy Metals*			
Arsenic	NMT 0.14 mcg/kg b.w./day	Conforms	ICP
Cadmium	NMT 0.09 mcg/kg b.w./day		
Lead	NMT 0.14 mcg/kg b.w./day		
Mercury	NMT 0.29 mcg/kg b.w./day		

\*Based on average body weight: 70kg; Dosage: 1 Softgel/day

**Microbiological Analysis**

ITEM	SPECIFICATION	RESULT	METHODS
Total Aerobic Count	< 1000 cfu/g	Conforms	USP <2021>
Total Combined Mold and Yeasts Count	< 100 cfu/g	Conforms	USP <2021>
E. coli	Negative	Negative	USP <2022>
Salmonella spp.	Negative	Negative	USP <2022>
Staphylococcus aureus	Negative	Negative	USP <2022>
Pseudomonas aeruginosa	Negative	Negative	USP <62>



Quality Control

05/25/2023

Date

## Certificate of Analysis

### QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: December 21, 2022      Product: Livsun Liver Extract Chelated Softgels  
 Product Code: 201646      Lot No.: 22210160      Manufacture Date: Dec. 01, 2022

Active Ingredients	*Base on Input	per unit	Result
Artichoke Extract		100.00 mg	*
Choline Bitartrate		50.00 mg	*
Inositol		50.00 mg	*
DL-Methionine		50.00 mg	*
Schisandra Extract		25.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)		20.00 mg	*
Phyllanthus Urinaria Extract		10.00 mg	*
Turmeric Root Extract		10.00 mg	*
Glutathione		10.00 mg	*
Glycine		10.00 mg	*
L-Arginine		10.00 mg	*
L-Serine		10.00 mg	*
L-Glutamine		10.00 mg	*
Taurine		10.00 mg	*
L-Tyrosine		10.00 mg	*
L-Aspartic Acid		10.00 mg	*
L-Cysteine Monohydrochloride		10.00 mg	*
Desiccant Liver Extract Powder (Sheep)		10.00 mg	*
Folic Acid		200.00 mcg	*

*Excipients: Lecithin, Yellow Beeswax, Soybean Oil*

### Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	Brown oblong #16 shape softgel containing brown paste	Conforms	Visual
Average Filling Weight	892.000 mg ±10 %	890.940 mg	USP <2091>
Weight Variation	Meets USP requirements	Conforms	USP <2091>
Rupture Test	NMT 15 minutes	Conforms	USP <2040>
Shell Moisture Content	6% - 10%	6.2%	USP<731>
Heavy Metals*			
Arsenic	NMT 0.14 mcg/kg b.w./day	Conforms	ICP
Cadmium	NMT 0.09 mcg/kg b.w./day		
Lead	NMT 0.14 mcg/kg b.w./day		
Mercury	NMT 0.29 mcg/kg b.w./day		

\*Based on average body weight: 70kg; Dosage: 1 Softgel/day

**Microbiological Analysis**

ITEM	SPECIFICATION	RESULT	METHODS
Total Aerobic Count	< 1000 cfu/g	Conforms	USP <2021>
Total Combined Mold and Yeasts Count	< 100 cfu/g	Conforms	USP <2021>
E. coli	Negative	Negative	USP <2022>
Salmonella spp.	Negative	Negative	USP <2022>
Staphylococcus aureus	Negative	Negative	USP <2022>
Pseudomonas aeruginosa	Negative	Negative	USP <62>



Quality Control

12/21/2022

Date

## Certificate of Analysis

### QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: April 04, 2022                      Product: Livsun Liver Extract Chelated Softgels  
 Product Code: 201646                      Lot No.: 22202140                      Manufacture Date: Mar. 28, 2022

Active Ingredients    *Base on Input	per unit	Result
Artichoke Extract	100.00 mg	*
Choline Bitartrate	50.00 mg	*
Inositol	50.00 mg	*
DL-Methionine	50.00 mg	*
Schisandra Extract	25.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)	20.00 mg	*
Phyllanthus Urinaria Extract	10.00 mg	*
Turmeric Root Extract	10.00 mg	*
Glutathione	10.00 mg	*
Glycine	10.00 mg	*
L-Arginine	10.00 mg	*
L-Serine	10.00 mg	*
L-Glutamine	10.00 mg	*
Taurine	10.00 mg	*
L-Tyrosine	10.00 mg	*
L-Aspartic Acid	10.00 mg	*
L-Cysteine Monohydrochloride	10.00 mg	*
Desiccant Liver Extract Powder (Sheep)	10.00 mg	*
Folic Acid	200.00 mcg	*

**Excipients:** *Lecithin, Yellow Beeswax, Soybean Oil*

### Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	Brown oblong #16 shape softgel containing brown paste	Conforms	Visual
Average Filling Weight	892.000 mg ±10 %	876.770 mg	USP <2091>
Weight Variation	Meets USP requirements	Conforms	USP <2091>
Rupture Test	NMT 15 minutes	Conforms	USP <2040>
Shell Moisture Content	6% - 10%	7%	USP<731>
Heavy Metals*			
Arsenic	NMT 0.14 mcg/kg b.w./day	Conforms	ICP
Cadmium	NMT 0.09 mcg/kg b.w./day		
Lead	NMT 0.14 mcg/kg b.w./day		
Mercury	NMT 0.29 mcg/kg b.w./day		

\*Based on average body weight: 70kg; Dosage: 1 Softgel/day

## Microbiological Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Total Aerobic Count	< 1000 cfu/g	Conforms	USP <2021>
Total Combined Mold and Yeasts Count	< 100 cfu/g	Conforms	USP <2021>
E. coli	Negative	Negative	USP <2022>
Salmonella spp.	Negative	Negative	USP <2022>
Staphylococcus aureus	Negative	Negative	USP <2022>
Pseudomonas aeruginosa	Negative	Negative	USP <62>



Quality Control

04/04/2022

Date



## Certificate of Analysis

### QUALITY CONTROL LABORATORY ANALYTICAL REPORT

Date: May 25, 2021 Product: Livsun Liver Extract Chelated Softgels  
 Product Code: 201645 Lot No.: 22102150A Manufacture Date: May 05, 2021

Active Ingredients	*Base on Input	per unit	Result
Artichoke Extract		100.00 mg	*
Choline Bitartrate		50.00 mg	*
Inositol		50.00 mg	*
DL-Methionine		50.00 mg	*
Schisandra Extract		25.00 mg	*
Zinc HVP Chelate (Containing 20% Zinc)		20.00 mg	*
Phyllanthus Urinaria Extract		10.00 mg	*
Turmeric Root Extract		10.00 mg	*
Glutathione		10.00 mg	*
Glycine		10.00 mg	*
L-Arginine		10.00 mg	*
L-Serine		10.00 mg	*
L-Glutamine		10.00 mg	*
Taurine		10.00 mg	*
L-Tyrosine		10.00 mg	*
L-Aspartic Acid		10.00 mg	*
L-Cysteine Monohydrochloride		10.00 mg	*
Desiccant Liver Extract Powder (Sheep)		10.00 mg	*
Folic Acid		200.00 mcg	*

**Excipients:** *Lecithin, Yellow Beeswax, Soybean Oil*

### Chemical /Physical Analysis

ITEM	SPECIFICATION	RESULT	METHODS
Appearance	Brown #16 oblong softgels with laser imprint "Livergen" containing a brown paste	Conforms	Visual
Average Filling Weight	891.960 mg ± 10%	874.407 mg	USP <2091>
Weight Variation	Meets USP requirements	Conforms	USP <2091>
Rupture Test	NMT 15 minutes	6min 48sec	USP <2040>
Heavy Metals*			
Arsenic	NMT 0.14 mcg/kg b.w./day	Conforms	ICP
Cadmium	NMT 0.09 mcg/kg b.w./day		
Lead	NMT 0.14 mcg/kg b.w./day		
Mercury	NMT 0.29 mcg/kg b.w./day		

\*Based on average body weight: 70kg; Dosage: 1 Softgel/day

**Microbiological Analysis**

ITEM	SPECIFICATION	RESULT	METHODS
Total Aerobic Count	< 1000 cfu/g	Conforms	USP <2021>
Total Combined Mold and Yeasts Count	< 100 cfu/g	Conforms	USP <2021>
E. coli	Negative	Negative	USP <2022>
Salmonella spp.	Negative	Negative	USP <2022>
Staphylococcus aureus	Negative	Negative	USP <2022>
Pseudomonas aeruginosa	Negative	Negative	USP <62>



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Quality Control

**05/26/2021**

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Date