

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

Product Name	Kokum Dry Extract	Nature of product	Powder
Botanical Name	<i>Garcinia indica</i>	Origin	India
Part Used	Fruit	Solvents Used	Hydroalcoholic
Batch No.	HN/KE/202312855	Manufacturing Date	Dec-23
Batch Quantity	100 Kg	Expiry date	Nov-26

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	White buff	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Soluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	4.60%
Ash (w/w)	< 5.0%	In House	2.47%
Acid insoluble ash(w/w)	< 2.4%	In House	1.22%
Bulk Density	40-80 g/100mL	In House	Complies
Active Component- Assay (HCA)	50%	HPLC-MS	50.15%

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	Organic Requirements	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies



Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.

PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)

Version:5

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

COA Date:14-11-24

Product Name	Green Tea Extract	Nature of product	Powder
Botanical Name	<i>Camellia sinensis</i>	Origin	India
Part Used	Leaves	Solvents Used	Hydroalcoholic
Batch No.	HN/GTE/202411/08-0240-02	Manufacturing Date	Nov-24
Batch Quantity	1000 KG	Expiry date	Oct-27

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	Light Brown to Brown	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Soluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	3.80%
Ash (w/w)	< 5.0%	In House	2.30%
Acid insoluble ash(w/w)	< 2.4%	In House	1.19%
Loose Density	NLT 0.40gm/ml	In House	0.63gm/ml
Tapped Density	NLT 0.60gm/ml	In House	0.91gm/ml
Active Component- Assay (Polyphenol)	50%	UV	50.17%

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(ByGC-MS)	Complies
Pesticides Residues	≤0.01mg/kg	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies



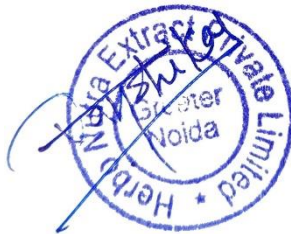
Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.



PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

Product Name	Green coffee bean Extract	Nature of product	Powder
Botanical Name	<i>Coffea arabica</i>	Origin	India
Part Used	Bean	Solvents Used	Hydroalcoholic
Batch No.	HN/GCE/ 202407/02-0125-01	Manufacturing Date	July-24
Batch Quantity	600 KG	Expiry date	June-27

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	Yellow Brown to Brown	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Soluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	4.76%
Ash (w/w)	< 5.0%	In House	2.61%
Acid insoluble ash(w/w)	< 2.4%	In House	1.18%
Bulk Density	40-80 g/100mL	In House	Complies
Active Component- Assay (Chlorogenic acid)	50%	HPLC	50.12%

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	≤0.01mg/kg	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies



Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.

Singh



PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)

Version:5

Address: A-2/66, UPSIDC SITE 5, Kasna Surajpur Industrial Area, Gautam Budh Nagar, UP-201308, India
Telephone: +91 9911016820, Email: ceo@herbonutra.com, Web: www.herbonutra.com

Doc No. HNEPL/F/QC/09, Version 5

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

COA DATE- 04-10-2024

Product Name	Grape Seed Extract	Nature of product	Powder
Botanical Name	<i>Vitis vinifera</i>	Origin	China
Part Used	Seed	Solvents Used	Hydroalcoholic
Batch No.	HN/GSE/202408/03-195	Manufacturing Date	Aug-24
Batch Qty.	5000 KG	Expiry date	July-27

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	Maroon	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Partially soluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	4.60%
Ash (w/w)	< 5.0%	In House	2.50%
Acid insoluble ash(w/w)	< 2.4%	In House	1.25%
Bulk Density	40-80 g/100mL	In House	Complies
Active Component-Assay (OPC)	95%	UV -MS	95.16%

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	≤0.01mg/kg	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies



Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.



PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)



Think Extract Think Herbo Nutra

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

COA Date:09-10-24

Product Name	Citrus bioflavonoid Extract	Nature of product	Powder
Botanical Name	<i>Citrus aurantium</i>	Origin	India
Part Used	Fruit	Solvents Used	Hydroalcoholic
Batch No.	HN/CBE/202408/21-0140-02	Manufacturing Date	Aug-24
Batch Quantity	500 KG	Expiry date	July -27

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	Brown	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Insoluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	4.50%
Ash (w/w)	< 5.0%	In House	2.51%
Acid insoluble ash(w/w)	< 2.4%	In House	1.28%
Bulk Density	40-80 g/100mL	In House	Complies
Active Component-Assay (Bioflavonoid)	25%	HPLC-MS	25.19%

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	≤0.01mg/kg	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies

Address: A-2/66, UPSIDC SITE 5, Kasna Surajpur Industrial Area, Gautam Budh Nagar, UP-201308, India

Telephone: +91 9911016820, Email: ceo@herbonutra.com, Web: www.herbonutra.com



Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.

Singh



PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)



MARK NUTRACEUTICALS

PRODUCER OF SPIRULINA

BLOCK NO.2276, SIHUNJ, TA.MHEMDABAD, DIS.KHEDA, Gujarat, India, 387430

SPIRULINA TEST REPORT

COMPANY NAME :	MARK NUTRACEUTICALS		BATCH DATE:	01/06/2023
MFG DATE :	01/06/2023		TEMP:	35 C
POND:	19,20,21	QUANTITY :	1000 GRAMS	APPEARANCE: DARK GREEN
ITEMS		METHOD/LIMITS		RESULT

CHEMICAL

BULK DENSITY	FL/SOP/FC-84		0.4-0.6	0.6746	GRM/ML
ASH SULPHATED ASH	FL/SOP/FC-82		<10 %	0.09	%
MOISTURE	FL/SOP/FC-81		<10 %	8.76	%
PROTINE	IS-7219		50-70	62	%
BETA CAROTENE	FL/SOP/FC-45			0.42	%
CHLOROPHYLL	FL/SOP/FC-149FL/SOP/FC-01			1550	MG
FAT	FL/SOP/FC-45		<5 %	4.73	%
SIEVE ANALYSIS				100 % PASS ON 40 MESH	
PHYCOCYANIN	HPCL			9	%

MICROBIOLOGY

YEAST & MOULD COUNT	PCM		<100	45	CFU/G
TPC	PCM		<20,000	18,000	CFU/G
STAPHYLOCOCCUS AUREUS	PCM			ABSENT	ABSENT
E.COLI	PCM			ABSENT	ABSENT
SALMONELLA	PCM			ABSENT	ABSENT

HEAVY METAL

ARSENIC (AS)	ICP-OES	<0.10 MG/100GRM	0.02	MG/100 G
CADMIUM (CD)	ICP-OES	<0.30 MG/100GRM	0.15	MG/100 G
LEAD (PB)	ICP-OES	<0.50 MG/100GRM	0.21	MG/100 G
MERCURY (HG)	ICP-OES	<0.10 MG/100GRM	0.01	MG/100 G

CONCLUSION	GOOD RESULTS
TO MARK NUTRACEUTICALS	



contact number
+91 84012 45818

mail address
marknutraceuticals@gmail.com

website
marknutra.com

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

COA Date:08-10-24

Product Name	Sea buckthorn Extract	Nature of product	Powder
Botanical Name	<i>Hippophae rhamnoides L</i>	Origin	India
Part Used, Ratio	Pulp, 10:1	Solvents Used	Water
Batch No.	HN/SBE/20240821	Manufacturing Date	Aug-24
Batch Qty.	300 KG	Expiry date	July-27

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	Orange	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Soluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	4.41%
Ash (w/w)	< 5.0%	In House	2.64%
Acid insoluble ash(w/w)	< 2.4%	In House	1.29%
Bulk Density	40-80 g/100mL	In House	Complies

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	≤0.01mg/kg	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies



Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.

Singh



PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)



Think Extract Think Herbo Nutra

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

Product Name	Bamboo Extract	Nature of product	Powder
Botanical Name	<i>Bambusa vulgaris.</i>	Origin	India
Part Used	Shoot	Solvents Used	Hydroalcoholic
Batch No.	HN/BE/202405163	Manufacturing Date	May-24
Batch Quantity	1500 KG	Expiry date	Apr-27

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	White Crystalline	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Insoluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	6.15%
Ash (w/w)	< 5.0%	In House	2.61%
Acid insoluble ash(w/w)	< 2.4%	In House	1.34%
Bulk Density	40-80 g/100mL	In House	Complies
Active Component-Assay (Silica)	70%	HPLC-MS	70.16%

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	≤0.01mg/kg	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies



Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.

Singh

PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)

Version:5

Address: A-2/66, UPSIDC SITE 5, Kasna Surajpur Industrial Area, Gautam Budh Nagar, UP-201308, India
Telephone: +91 9911016820, Email: ceo@herbonutra.com, Web: www.herbonutra.com

Doc No. HNEPL/F/QC/09, Version 5

CERTIFICATE OF ANALYSIS

General Information		Report Date 08/25/2024	
Product Name	Sesbania Grandiflora Extract	Botanical Source	<i>Sesbania grandiflora</i> (Linn.) Pers.
Part Used	Whole	Solvents Used	Water
Batch Lot	202408194	Batch Qty	1000KG
Mfg Date	08/19/2024	Expire Date:	08/18/2027
ITEMS	SPECIFICATION	METHOD	TEST RESULTS
Physical&Chemical Data			
Color	White off	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Appearance	Fine Powder	Organoleptic	Complies
Analytical Quality			
Identification	Identical to R.S. sample	TLC	CP2020
Sieve analysis	90% through 80 mesh	Sieve	Complies
Loss on Drying	≤5.0 %	CP2020	2.20 %
Sulfate ash	≤0.8 %	CP2020	0.20 %
Density	30~90 g/100mL	CP2020	Complies
Assay(Biotin)	NLT0.5%	CP2020/HPLC	0.54%
Contaminants			
Lead (Pb)	≤3.0 mg/kg	Atomic Absorption	Complies
Arsenic (As)	≤0.3 mg/kg	Atomic Absorption	Complies
Cadmium (Cd)	≤1.0 mg/kg	Atomic Absorption	Complies
Mercury (Hg)	≤0.1 mg/kg	Atomic Absorption	Complies
Aflatoxin B1	≤2ppb	CP2020	Complies
Aflatoxin B2	≤2ppb	CP2020	Complies
Aflatoxin G1	≤2ppb	CP2020	Complies
Aflatoxin G2	≤2ppb	CP2020	Complies
Solvents Residue	Meet USP	GC	Complies
Pesticides Residue	Meet USP Requirements	GC	Complies
Microbiological			
Total Plate Count	≤5,000 cfu/g	CP2020	Complies
Yeast & Mold	≤500 cfu/g	CP2020	Complies
E.Coli.	Negative	CP2020	Complies
Salmonella	Negative	CP2020	Complies
General Status			
Non-Irradiation	≤700	EN13751:2002<PSL>	Complies
Packing&Storage			
	Packed in paper-drums and two plastic-bags inside.		
	Store in sealed containers at cool & dry place to protect from light moisture and pest infestation.		
Appearance:	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.		
Shelf life	36 months under the conditions above and in its original packaging.		





CERTIFICATE OF ANALYSIS

Production name	L-Glutathione reduced	CAS No.	70-18-8
Batch No.	GSH-24112002	Formula	C ₁₀ H ₁₇ N ₃ O ₆ S
MFG. Date	Nov. 20, 2024	Quantity	600kg
Expiry Date	Nov. 19, 2026	Report Date	Nov. 27, 2024
Storage conditions	Seal tightly and store in a cool place below 30°C.		
Inspection Standard	Enterprise Standard		
Test Items	Specifications	Results	Analytical method reference
Appearance	White or almost white crystalline powder	White powder	visual
Identification IR	Conforms to the Reference Spectrum	Conforms to the Reference Spectrum	USP43
Optical rotation	-15.5° to -17.5°	-16.14°	USP43
State of solution	Freely soluble in water, very slightly soluble in ethanol and in methylene chloride	Complied	visual
Chlorides	Not more than 200 ppm	Complied	USP43
Sulfates	Not more than 300 ppm	Complied	USP43
Ammonium	Not more than 200 ppm	Complied	USP43
Iron	Not more than 10 ppm	Complied	USP43
Arsenic	Not more than 2 ppm	Complied	USP43
Heavy metals	Not more than 10 ppm	Complied	In-house
Cadmium (Cd)	Not more than 1 ppm	Complied	USP43
Lead (Pb)	Not more than 3 ppm	Complied	USP43
Mercury (Hg)	Not more than 1 ppm	Complied	USP43
Residue on ignition	Not more than 0.1%	0.074%	USP43
Loss on drying	Not more than 0.5%	0.294%	USP43
Bulk density	Not less than 0.2g/ml	0.5048g/ml	In-house
Tapped density	Not less than 0.4g/ml	0.8642g/ml	In-house
Total plate count	≤ 1000cfu/g	Complied	USP43
Yeast and mold count	≤ 100cfu/g	Complied	USP43
Salmonella	Negative/10g	Complied	USP43
Related compounds	Total	Maximum 2.0%	1.15% USP43
	GSSG	Maximum 1.5%	0.52% USP43
Assay	98.0% to 101.0%	98.31%	USP43
Conclusion: Complies with Enterprise Standard			

Analyst: Yuwei

Auditor: Hebin

Chief of QC: Houjian

Address: NO.5 Weiye road, High-tech zone, Anqing city, Anhui province, China



CERTIFICATE OF ANALYSIS

Product Name: N-Acetyl-L-Cysteine	Quantity: 5000kg	Batch No: 20230827
Producing date: 2023.08.27	Date of Analysis: 2023.08.27	Expiry date: 2025.08.26
Reference standard: USP43	Package: 25kg Paper Drum	CAS No.: 616-91-1
Item	Specifications	Results
Characters, Appearance	White crystals or crystalline powder	Qualified
Characters, Solubility	Free soluble in water, soluble in ethanol	Qualified
Identification	Infrared Absorption	Qualified
Assay	98.5%~101.0%	99.5%
Residue on ignition	≤0.20%	0.11%
Chloride	≤0.04%	<0.04%
Sulfate	≤0.03%	<0.03%
Ammonium	≤0.02%	<0.02%
Iron	≤20ppm	<20ppm
Lead	≤1ppm	<1ppm
Arsenic	≤0.5ppm	<0.5ppm
Cadmium	≤0.5ppm	<0.5ppm
Mercury	≤0.1ppm	<0.1ppm
Zinc	≤10ppm	<10ppm
Heavy metals	≤10ppm	<10ppm
L-Cystine (impurity)	≤0.5%	<0.5%
L-Cysteine (impurity)	≤0.5%	<0.5%
N,N'-diacetyl-L-Cystine (impurity)	≤0.5%	<0.5%
N,S'-diacetyl-L-Cysteine (impurity)	≤0.5%	<0.5%
Any other impurity	≤0.5%	<0.5%
Total impurities	≤0.5%	<0.5%
Optical Rotation	+21.3° ~ +27.0° (t=25℃)	+25.3°
pH Value	2.0~2.8	2.6
Loss on drying	≤1.0%	0.05%
Total plate count	≤1000cfu/g	Qualified
Yeast & molds	≤100cfu/g	Qualified
Enterobacteriaceae	Negative/10g	Qualified
Salmonella sp.	Negative/25g	Qualified
Coliforms bacteria	Negative/g	Qualified
E Coli	Negative/g	Qualified
Staphylococcus Aureus	Negative/g	Qualified
Bacillus sp.	Negative/g	Qualified
Clostridium sp.	Negative/g	Qualified
Conclusion: This product complies with USP43 standard.		

Analyst: Zhao Yuna

河北博宇生物科技有限公司
HEBEI BOYU BIOTECHNOLOGY CO.,LTD

Address: Xinle Industrial Park, Shijiazhuang, Hebei, China
Email: info@boyuaminoacids.com Tel: 0086 0311 85367019
https://www.boyuaminoacids.com



TAGOOR LABORATORIES PRIVATE LIMITED

TAGOOR

Factory: (Unit-I), Survey. 29, Tupakulagudem Village, Pochavaram Panchayat,
Tallapudi Mandal, East Godavari District, Andhra Pradesh -534341, INDIA.

www.tagoorlabs.com

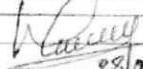
Certificate of Analysis

Name of the Product	ALPHA LIPOIC ACID, IP/USP		
Batch No.	ALA-02124	Analysis completed On	20/02/2024
Quantity	500.0 kgs	Mfg. Date	Feb'-2024
CAS No.	1077-28-7	Re-Test Date	Jan'-2027
Analytical report No.	AR/FP/ALA/00210224		

S.No.	TEST	Specifications	Results
1.	Description	Yellowish crystalline powder.	Yellowish crystalline powder.
2.	Solubility	Very slightly soluble in water, very soluble in Dimethylformamide, freely soluble in methanol	Complies
3.	Identification By		
	HPLC	The retention time of the peak for Alpha Lipoic acid of the sample solution corresponds to that of the standard solution, as obtained in the assay	Complies
	B) Infrared spectroscopy	The IR absorption spectrum of the test sample is concordant with the spectrum same that the Alpha Lipoic standard	Complies
4.	Melting Range	Should be between 60.0°C to 62.0°C	60.5°C to 61.4°C
5.	Residue on Ignition	Not more than 0.1%	0.06%
6.	Optical Rotation (Specific Rotation)	-1.0° to +1.0°	+0.03°
7.	Heavy Metals	Not more than 10ppm	Less than 10ppm
8.	Loss on drying	Not more than 0.2 %	0.15%
9.	Chromatographic Purity by HPLC (Procedure-1)		
	Individual Impurities	Not more than 0.1%	0.07%
	Total Impurities	Not more than 2.0 %	0.3%
10.	Chromatographic Purity by TLC (Procedure-2)		
	By TLC	No spot other than the alpha Lipoic acid spot from the sample solution is more Intense than the spot at $R_f=0$ from standard solution A	Complies
11.	Assay by HPLC (%w/w, on dried basis)	Not less than 99.0 and Not more than 101.0	99.4

Additional tests

12.	Residual Solvents by HSGC		
	Methanol	Not more than 3000 ppm	Not detected
	Ethanol	Not more than 5000 ppm	Not detected
	Methyl dichloride	Not more than 600 ppm	Not detected
	Ethyl Acetate	Not more than 5000 ppm	476ppm
	Cyclohexane	Not more than 3880 ppm	1697ppm
	Toluene	Not more than 890 ppm	Not detected
13.	Microbiological Contamination		
	Total microbial count	≤ 1000 cfu/g	Nil cfu/g (Unit-I)
	Total moulds and yeasts	≤ 100 cfu/g	Nil cfu/g
	Escherichia coli	Should be Absent	Absent
14.	PSD (by Malvern) D-90	Report value	109 microns
Remarks	The material Complies / does not complies to the specifications		
Storage Condition	Preserve in a well-closed container.		

Compiled by : 	Checked by : 	Authorized Signatory : 
Date : 28/02/2024	Date : 28/02/2024	Date : 28/02/2024



Think Extract Think Herbo Nutra

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

COA Date:19-11-24

Product Name	Milkthistle Extract	Nature of product	Powder
Botanical Name	<i>Silybum marinum</i>	Origin	China
Part Used	Whole plant	Solvents Used	Hydroalcoholic
Batch No.	HN/MTE/202409/05-237	Manufacturing Date	Sep-24
Batch Quantity	500 KG	Expiry date	Aug-27

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	Yellow Brown	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Soluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	3.26%
Ash (w/w)	< 5.0%	In House	2.46%
Acid insoluble ash(w/w)	< 2.4%	In House	1.25%
Bulk Density	40-80 g/100mL	In House	Complies
Active Component-Assay (Silymarin)	80%	UV-MS	80.14%

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	≤0.01mg/kg	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies



Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.



PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)



Think Extract Think Herbo Nutra

CERTIFICATE OF ANALYSIS

PRODUCT DESCRIPTION

COA Date:14-10-24

Product Name	Acai berry Extract	Nature of product	Powder
Botanical Name	<i>Euterpe oleracea</i>	Origin	China
Part Used, Ratio	Fruit, 10:1	Solvents Used	Hydroalcoholic
Batch No.	HN/ABE/202408545	Manufacturing Date	Aug-24
Batch Quantity	200 KG	Expiry date	July-27

TESTING PARAMETERS

PHYSICAL PARAMETERS

Items	Specification	Method	Results
Color	Reddish Pink	Organoleptic	Complies
Odour	Characteristic	Organoleptic	Complies
Taste	Natural	Organoleptic	Complies
Solubility	Soluble in water	In House	Complies
Appearance	Fine Powder	Organoleptic	Complies

ANALYTICAL QUALITY

Identification	Identical to R.S. sample	TLC	Complies
Sieve analysis	90% through 80 mesh	Sieve	Complies
Moisture (w/w)	< 10.0%	In House	4.33%
Ash (w/w)	< 5.0%	In House	2.40%
Acid insoluble ash(w/w)	< 2.4%	In House	1.22%
Bulk Density	40-80 g/100mL	In House	Complies

HEAVY METALS

Arsenic	Max 1.1 ppm	ICP-OES	B.L.Q
Cadmium	Max 1.0 ppm	ICP-OES	B.L.Q
Lead	Max 2.5 ppm	ICP-OES	B.L.Q
Mercury	Max 0.1 ppm	ICP-OES	B.L.Q

CONTAMINANTS

Aflatoxin B1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin B2	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G1	≤2ppb	EASI-CHE-SOP-18	Complies
Aflatoxin G2	≤2ppb	EASI-CHE-SOP-18	Complies
Ethylene Oxide	≤0.01mg/kg	EKA-CHE-SOP-053(By GC-MS)	Complies
Pesticides Residues	≤0.01mg/kg	EKA-CHE-SOP-030(By LC-MSMS&GC-MSMS)	Complies



Think Extract Think Herbo Nutra

MICROBIOLOGICAL PARAMETERS

Total Plate count /g	<10000 CFU/g	ISO 4833-1-2013	<1000 CFU/g
Yeast & Molds /g	<100 CFU/g	ISO 21527-2:2008	<100 CFU/g
Coliform/g	<10 CFU/g	ISO 4832:2006	<10 CFU/g
Escherichia coli /25g	Negative	ISO 16649-2-2001	Negative
Salmonella /25g	Negative	ISO 6579-1:2017/AMD 1:2020	Negative

Note: B.L.Q – Below Limit of Quantification, Limit of Quantification: 0.05mg/kg for Heavy Metals

Packing and Storage	Store in sealed containers at cool & dry place to protect from light, moisture and pest infestation.
Appearance	This is a natural product and there may be color variations from lot to lot due to crop fluctuations from harvest to harvest.
Shelf Life	36 months under the above condition, and in its original package.

Singh



PREPARED BY	APPROVED BY
(QC/QA Executive)	(QC/QA Head)

**BAJAJ****BAJAJ HEALTHCARE LTD. [UNIT-II]**Head Office: 6th Floor, Bhoomi Velocity Infotech Park, Above ICICI Bank,

Road No.: 23, Wagle Industrial Estate, Thane (W)- 400 604,

Tel: +91 22 66177400 Website: www.bajajhealth.com

Manufacturing Site: Block No. 588, Savli, Karachia Road,

At & Post: Gothada - 391 776. Tal. Savli, Dist: Vadodara, Gujarat, India.

☎ 02667 - 220100, Fax: +91 02667 619135 E-mail: bajajhealth@bajajhealth.com

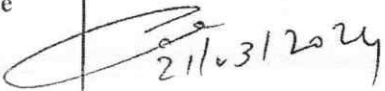
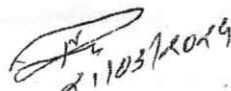
FORMAT NO: QA030/F/06-07

CERTIFICATE OF ANALYSIS

Product	: Ascorbic Acid Coated	A.R. No.	: FMA/24/0715
Batch No.	: VC-05090324	Batch Size	: 500kg
Mfg. Date	: MAR-2024	Sampled on	: 19/03/2024
Retest/ Exp. Date	: FEB-2028	Page No.	: 01 of 01

TEST	LIMITS	RESULT
Characters / Description	A white to pale yellow crystalline powder.	White crystalline powder
Identification by Colour development test	The Yellow colour turns blue.	Complies
Loss on drying at 60°C under vacuum oven for 3 hours.	NMT 1.0 % w/w.	0.19%
Stearyl alcohol	Between 2.5 % to 4.0 %	3.49%
Assay	Between 96.0 % to 97.5 % of $C_6H_8O_6$	97.2%

Conclusion: The sample Complies / ~~Does not comply~~ as per standard prescribed in specification.

Sign/Date	 21/03/2024	 21/03/2024	 21/03/2024
	Prepared by QC	Checked by QC	Approved by QA