

CERTIFICATE OF ANALYSIS

1. Name of the Product : *Embelica officinalis*, Amla oil Soluble
 2. Batch Number : KH/EO/001/10
 3. Mfg. Date : June.-2010
 4. Date of Analysis : June.-2010
 5. Part of the Plant Used : Fruit

Sr. No.	Test	Results
1.	Color and Appearance	Faint yellow to Clear color liquid.
2.	Odour	Characteristic.
3.	Specific Gravity at 27°C	0.9141
4.	Dry Residue	4.34%

OPINION OF ANALYST: The above material complies with the prescribed standards.

Analyzed By

Approved By



cGMP & FDA approved



Head Office: 332, Adhyaru Industrial Estate, Sunmill Compound, Lower Parel, Mumbai - 400 013. INDIA.
 Tel.: + 91 22 40914300/66602711 Fax: +91 22 24934171 Email: cmd@konarkgroup.com. Website: www.konarkgroup.com, www.curcuminindia.co.in

WORKS-

DAMAN: Plot No. 481/3B, Near Dabhel Check Post, Nani Daman - 396210. INDIA.

H.P.: Nahan Road, Kala Amb, Village Moginand, Near Patwarkhanna, Tehsil Nahan, Dist Sirmour-173030, Himachal Pradesh. INDIA.

CERTIFICATE OF ANALYSIS

1. Name of the Product : *Embelica officinalis*, Amla Dry Extract
 2. Strength : 4:1
 3. Batch Number : KH/EO/001/11
 4. Mfg. Date : September.-2011
 5. Date of Analysis : September.-2011
 6. Part of the Plant Used : Fruit

Sr. No.	Test	Results	Standards
A	Physico chemical Tests		
1.	Description	Dark Brown colored powder with Characteristics odour & Astringent taste.	Dark Brown colored powder with Characteristics odour & Astringent taste.
2.	IDENTIFICATION TEST – BY TLC METHOD	Complies	Positive
3.	Water Soluble Extractive as per IP' 66	84%	NLT-80%
4.	Alcohol Soluble Extractive	-----	-----
5.	MOISTURE CONTENT	3.69%	NMT 7%
6.	pH (1% w/v aqueous solution)	3.42	2-7
B	Active Component		
7.	Assay by Titration Method as per U.S.S.R.P. X	% of Tannins – 20.14%	NLT 20%
C	Limit Test		
8.	Heavy Metals		
	(a) Arsenic	Complies	NMT 1 ppm
	(b) Lead	Complies	NMT 10 ppm
D	Microbiological Tests		
9.	Total Plate Count	50 cfu/gm	NMT-100cfu/gm
10.	Yeast/Molds	7 cfu/gm	NMT-100cfu/gm
11.	E. Coli	Absent	Absent
12.	Salmonella	Absent	Absent
13.	Total Coliforms	Absent	Absent

OPINION OF ANALYST: The above material complies with the prescribed standards.

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CERTIFICATE OF ANALYSIS

1. Name of the Product : Embelica officinalis, Amla Soft Extract
 2. Strength : 3:1
 3. Batch Number : KH/EO/001/08
 4. Mfg. Date : June.-2008
 5. Date of Analysis : June.-2008
 6. Part of the Plant Used : Fruit

Sr. No.	Test	Results	Standards
A	Physico chemical Tests		
1.	Description	Brown colored thick paste with characteristic odor & astringent taste.	Brown colored thick paste with characteristic odor & astringent taste.
2.	IDENTIFICATION TEST – BY TLC METHOD	Complies	Positive
3.	Water Soluble Extractive as per IP'66	87%	NLT-80%
4.	Alcohol Soluble Extractive	-----	-----
5.	MOISTURE CONTENT	14.24%	NMT 20%
6.	pH (1% w/v aqueous solution)	3.97	2-7
B	Active Ingredient		
7.	Assay by Titration Method	% of Tannin – 15.27%	NLT 15%
C	Limit Test		
8.	Heavy Metals		
	(a) Arsenic	Complies	NMT 1 ppm
	(b) Lead	Complies	NMT 10 ppm
D	Microbiological Tests		
9.	Total Plate Count	84 cfu/gm	NMT-1000cfu/gm
10.	Yeast/Molds	4 cfu/gm	NMT-100cfu/gm
11.	E. Coli	Absent	Absent
12.	Salmonella	Absent	Absent
13.	Total Coliforms	Absent	Absent

OPINION OF ANALYST: The above material complies with the prescribed standards.

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CERTIFICATE OF ANALYSIS

1. NAME OF THE PRODUCT : *EMBELICA OFFICINALIS*, AMLA LIQUID EXTRACT
 2. BATCH NUMBER : KH/EO/001/12
 3. MFG. DATE : JULY-2012
 4. DATE OF ANALYSIS : JULY-2012
 5. PART OF THE PLANT USED : FRUIT

SR. NO.	Test	STANDARDS	RESULTS	TEST METHOD/REFERENCE
A	Physico chemical Tests			
1.	Color	Brown to Light brown colour liquid	Light brown color liquid	Visual
2.	Odor	Characteristic	Characteristic	Organoleptic
3.	WATER SOLUBILITY	SOLUBLE	COMPLIES	IP-2007
4.	PROPYLENE GLYCOL SOLUBILITY	SOLUBLE	COMPLIES	IP-2007
5.	ALCOHOL SOLUBILITY (50% ALCOHOL)	SOLUBLE	COMPLIES	IP-2007
6.	PH (1% W/V AQUEOUS SOLUTION)	4.0-6.0	4.26	IP-2007
7.	Specific Gravity (20°C)	1.000-1.050	1.037	IP-2007
8.	DRY RESIDUE (% - 105°C)	1.0% - 2.5%	1.50%	IP-2007
B.	HEAVY METALS			
9.	LEAD	10 PPM	COMPLIES	BP-2007 "ASU" PROTOCOL
10.	ARSENIC	3 PPM	COMPLIES	BP-2007 "ASU" PROTOCOL
11.	MERCURY	1 PPM	COMPLIES	BP-2007 "ASU" PROTOCOL
12.	CADMIUM	0.3 PPM	COMPLIES	BP-2007 "ASU" PROTOCOL
C.	MARKERS			
13.	GALLIC ACID	NLT 3000 PPM	4100 PPM	H.P.L.C
D.	MICROBIOLOGICAL TESTS			
14.	TOTAL AEROBIC BACTERIA	NMT 1000 CFU/GM	COMPLIES	"ASU" PROTOCOL
15.	YEAST AND MOULDS	NMT 100 CFU/GM	COMPLIES	"ASU" PROTOCOL
16.	SALMONELLA SP.	ABSENT	ABSENT	"ASU" PROTOCOL
17.	ESCHERICHIA. COLI	ABSENT	ABSENT	"ASU" PROTOCOL
18.	PSEUDOMONAS AERUGINOSA	ABSENT	ABSENT	"ASU" PROTOCOL
19.	STAPHYLOCOCCUS AUREUS	ABSENT	ABSENT	"ASU" PROTOCOL
20.	TOTAL COLIFORMS	NMT 10 CFU/GM	COMPLIES	"ASU" PROTOCOL

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				PROTOCOL
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SHELF LIFE
 STORAGE CONDITIONS
NOT EXCEEDING 25°C.
 OPINION OF ANALYST
STANDARDS.

: ONE YEAR. FOR USE AFTER PRESCRIBED PERIOD, RE-TEST.
: COOL, DRY AND DARK CLEAN PLACE. TEMPERATURE
: THE ABOVE MATERIAL COMPLIES WITH THE PRESCRIBED

ANALYSED BY

APPROVED BY



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