

Certificate of Analysis

Product Name: Boswellia AKBA - 20%

Batch No : RBOS/006/20

Mfg. date : SEP -2013

Exp. date : AUG -2015

Quantity : 5 Kgs

Date of analysis : 03.09.2013

Analytical report No : RLSC13213

S.No	Tests	Specifications	Results
1.	Description	Off white to Cream colored powder	Cream colour powder
2.	Odour	Characteristic	Complies
3.	Identification by HPLC	The retention time of sample should matches with the retention time of standard chromatogram	Complies
4.	Solubility in methanol	Soluble	Complies
5.	Loss on drying at 105 ⁰ C	NMT 5.0% w/w	2.75 % w/w
6.	Assay: 3-Acetyl-11-Keto-β- Boswellic acid (AKBA) content by HPLC	NLT 20.0% w/w	20.74%w/w
7.	Heavy Metals	NMT 20 PPM	Complies
8.	Particle size	NLT 100% pass through in 40 mesh	100% passes
9.	Microbiological Tests:		
	9.1 Total Plate Count	NMT 5000 cfu/g	880 cfu/g
	9.2 Yeast & Mould	NMT 100 cfu/g	20 cfu/g
	9.3 <i>Salmonella Sps.</i>	Should be absent	Absent
	9.4 <i>E.coli</i>	Should be absent	Absent

The product submitted **Complies** with the prescribed standards.

Analyzed By


(P.Srinivas)
CHEMIST-Q.C.

Approved By


(T.Umamaheswararao)
MANAGER-Q.C.



RA Pure Life Sciences Limited

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HINDUSTAN HERBALS LIMITED

(An ISO 9001 : 2008 & GMP CERTIFIED COMPANY)

Manufacturer of Herbal Extracts & Phytochemicals

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Certificate Of Analysis			
Product	Curcumin 95%	Date of Receive	04/11/2013
Batch No.	HHL/CUR/1311007	Date of Release	11/11/2013
Date of Mfg.	November – 2013	Qty.	500 Kg
Date of Exp.	October – 2015	Page No	1 of 1
S. No.	Parameters	Specifications	Results
1.	Appearance	A fine powder	A Fine powder
2.	Colour	Yellowish Orange	Yellowish Orange
3.	Identification	Sample spots should match with that of Standard. The retention time of the peaks of Curcumin, Desmethoxycurcumin and Bidesmethoxycurcumin in the chromatogram of the test solution correspond to those in the chromatogram of standard.	Complies
A-	By TLC		Complies
B-	By HPLC		Complies
4.	Particle Size	NLT:-90.0% pass through 120 mesh	Complies
5.	Bulk Density	0.3 to 0.6	0.45
6.	Melting Point	178-181°C	179°C
7.	Loss on drying	NMT:-2.0 %	1.4 %
8.	Total Ash	NMT:-1.0 %	0.30 %
9.	Heavy Metals	NMT 20 ppm	Complies
10.	Assay For Curcuminoids By HPLC (ODB)	NLT:- 95.0 %	96.2 %
11.	Residual Solvent		
	Ethyl Acetate	NMT 5000 ppm	Complies
	IPA	NMT 3000 ppm	Complies
12.	Microbial Contamination		
	Total microbial count.	Not more than 5000 cfu/gm.	100 cfu/gm
	Total yeast and mould count	Not more than 100 cfu/gm.	<10 cfu/gm

Remarks: The product complies as per above specification



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EXCISE NO: AACCH3289BEM001
TIN: 06052826750

CONTACT NO : 09996024398, 09896277447, 09896021261, 09996163000, 09728472333



Zeon-Health Industries®



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CERTIFICATE OF ANALYSIS

Product Name: BROMELAIN EXTRACT 3000 GDU/GM	Mfg. Date: JUNE 2013
Batch No. : ZHI/BROM/8960	Exp. Date: MAY 2015

Parameter	Specification	Result
Source	Stem Pineapple [Ananas comosus]	Stem
Appearance	Free flowing hygroscopic powder	Complies
Botanical name	Ananas comosus	
Identification		
Ingredient used as base	Maltodextrin	
pH (1% Aqua solution)	4.4 to 6.2	5.0
Moisture	<8%	Complies
Ashes	<5%	Complies
Identification		
Identifiable activity	+ Ve proteolytic activity	Complies
Activity		
Proteolytic activity	NLT 3000GDU/gram	3040GDU/gram
Colour	off white to light yellow	Complies
Odour	Natural	Complies
Taste	Natural	Complies
Mesh size	90% passage through 80 mesh	100% pass through 80 mesh
Solubility in water	Sparingly soluble in water	Complies
Microbiological		
Total bacterial count	Less than 10 ⁴ CFU per Gram	Complies
Yest & Mould count	Less than 10 ² CFU per Gram	Complies
E.coli	Absent in 25 Gram	Absent
Coliform	Absent in 25 Gram	Absent
Salmonella Spp	Absent in 25Gram	Absent
Lead	<5 ppm max	Complies
Cadmium	1ppm max	Complies
Mercury	0.5 max	Complies
Arsenic	1 ppm max	Complies
Storage	Store in air tight poly bags, in cool & dry place [Hygroscopic Material]	

Remark: The Product complies/~~Do not complies~~ to above said specification.

Final Disposition : APPROVED / REJECTED

Prepared by Officer Q.C.	Checked by Executive Q.C.	Approved by Head Q.C.



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Certificate Of Analysis

Product	Piper Nigrum Dry Extract	QAR No.	13115
Batch No.	HHL/PIP/1301001	A. R. No.	BB-1310115
Date of Mfg.	October- 2013	Date of Receive	15/10/2013
Date of Exp.	September - 2015	Date of Release	20/10/2013
Qty.	100 Kg	Page No	1 of 1

S. No.	Parameters	Specification	Results
01.	Color & Appearance	Yellow-Light green crystalline powder	Complies
02.	Odour & taste	Characteristic	Complies
03.	Loss on Drying	NMT 2%	Complies
04.	Solubility in water	Insoluble	Insoluble
05.	Solubility in solvent	Soluble in chloroform & Alcohol	Soluble
06.	Piperine Content (HPLC)	NLT 95 %	96.2 %
07.	Bulk Density (UT)	0.30 – 0.50 g/ml	0.47 g/ml
08.	Bulk Density (T)	0.55 – 0.75 g/ml	0.63 g/ml
09.	Particle Size: Pass through 40#	NLT 95%	Complies
10.	Melting Point	126 – 132 °C	130 °C
11.	Heavy Metals	NMT 10 ppm	Complies
	Microbiology		
12.	Total Plate Count	NMT 1000 cfu/gm	50 cfu/gm
13.	Yeast & Mould	NMT 100 cfu/gm	<10 cfu/gm
14.	E.Coli	Absent	Absent
15.	Salmonella	Absent	Absent

Remarks: The product **complies** as per above specification.

Storage Condition: Cool dry place, protected from light and moisture.



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