

**Certificate of Analysis**

**Analytical Licence No. 48/04/2005**

Certificate no. : ANU/GP/003/120820

Manufacturer/Party	<b>BOMBAY HEMP COMPANY PVT LTD. (BOHECO) MUMBAI</b> Address: Unit #2, Cama Industrial Estate Sun Mill copound opposite high street phoenix lower parel, Mumbai				
Sample Name	HIMALAYAN HEMP SEED OIL (Cold-Pressed multipurpose oil)				
Batch No.	220	Batch size	NA	Sample Qty.	250 ml
Received Date	12/08/2020	Mfg.Date	06/2020	Exp. Date	05/2021
Reference no.	NM	Reference date	10/08/2020	Lic. No.	MP25E/18/633
Protocol of test applied	IN HOUSE SPECIFICATION	Date of Analysis	12/08/2020	Date of Completion	28/08/2020
Condition:	NA	Station	NA		

S. ro.	Test	Result	Method
1	<b>Sensory</b>		
(1)	Appearance	Light yellow coloured oil	In-house
(2)	Taste	Tasteless	In-house
(3)	Odour	Characteristic odour	In-house
	<b>Heavy Metals</b>		
(1)	Lead	0.04 ppm	By AAS-USP
(2)	Cadmium	0.01 ppm	By AAS-USP
(3)	Mercury	0.02 ppm	By AAS-USP
(4)	Arsenic	0.08 ppm	By AAS-USP
(5)	Copper	0.06 ppm	By AAS-USP
(6)	Chromium	0.03 ppm	By AAS-USP
(7)	Nickel	0.005 ppm	By AAS-USP
(8)	Methyl Mercury	Not detected	By AAS-USP
(9)	Zinc	0.008 ppm	By AAS-USP

Date: 28/08/2020

*Maujhi*  
Administrator



Signature of person-in-charge in testing



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Microbiology			
(1)	Total Plate Count	30X 10 <sup>2</sup>	As per USP
(2)	Coliforms	Less than 10	As per USP
(3)	Yeast and mold	Less than 10	As per USP
(4)	Salmonella	Absent	As per USP
(5)	E.coli	Absent	As per USP
(6)	Shigella	Absent	As per USP
(7)	S. aureus	Absent	As per USP
(8)	Pseudomonas	Absent	As per USP
Aflatoxins			
(1)	B1	Not Detected	BY GCMS
(2)	B2	Not Detected	BY GCMS
(3)	G1	Not Detected	BY GCMS
(4)	G2	Not Detected	BY GCMS
Physical and chemical parameters			
(1)	Moisture	0.15%	By USP
(2)	Insoluble admixture	Not Detected	By USP
(3)	Peroxide value	5	By USP
(4)	Free Fatty acid	Less than 0.1%	By USP
(5)	Solvent residue	Not Detected	By USP
(6)	Benzopyrene	Not Detected	By USP
(7)	Refractive index @20' C	1.115	By USP
(8)	Specific gravity	0.9265	By USP
(9)	Iodine value	98	By USP
(10)	Saponification Value	211	By USP
(11)	Acid value	8	By USP
(12)	Unsaponifiable matter	Less than 0.1 %	By USP
Nutritional profile			
(1)	Fat	99.5%	GAFTA 2014
(2)	Saturated fat	12.8%	AOAC 996.06

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(3)	MUFA	11.5	GAFTA 2014
(4)	PUFA	71.5%	AOAC 996.06
(5)	Trans fat	Not detected	GAFTA 2014
(6)	Cholesterol	Not detected	AOAC 996.06
(7)	Carbohydrate	Less than 1.0 %	GAFTA 2014
(8)	Energy	963.3	AOAC 996.06
(9)	Omega 3	21 %	GAFTA 2014
(10)	Omega 6	55 %	AOAC 996.06
<b>Mineral testing</b>			
(1)	Phosphorous	Less than 0.1%	In-House
(2)	Potassium	0.08 ppm	By AAS
(3)	Calcium	2.7 ppm	By AAS
<b>Amino acid Profile Others Miscellaneous tests</b>			
(1)	Total Vitamin E	11.6%	By USP
(2)	Tocopherol profile	10.8%	By USP
(3)	Chlorophyll content	0.1%	By USP
----- End of Report-----			

(Quick Servicing System)

Date: 28/08/2020

*Mauyfu*  
Administrator



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