

## HEMP HEARTS – POWER PACKED SHELLLED SEEDS CERTIFICATE OF ANALYSIS REPORT

Reference No: dtech/19-20/10007-02

Date: 29.05.19

Batch No: 0319-01-B

Mfg. Date: 06.03.19

**Nutritional analysis (%)**

Moisture	3.94	-
Total Ash	4.71	-
Protein	33.68	-
Fat	50.46	-
Carbohydrates	7.21	-
Calories	617.7kcal/100g	-
Trans fat	<0.1	0.1
Saturated fat	5.32	0.1
Monounsaturated fatty acids	5.92	0.1
Polyunsaturated fatty acids	39.22	0.1
Beta carotene	68.1mcg/100g	50
Peroxide value	1.96mEq/kg	-
Free fatty acids	2.89%	-

**Fatty acid profile (%)**

Capric acid	<0.1	0.1
Undecanoic acid	<0.1	0.1
Lauric acid	<0.1	0.1
Tridecanoic acid	<0.1	0.1
Myristic acid	<0.1	0.1
Myristoleic acid	<0.1	0.1
Pentadecanoic acid	<0.1	0.1
cis-10-Pentadecanoic acid	<0.1	0.1
Palmitic acid	3.63	0.1
Palmitoleic acid	<0.1	0.1
Heptadecanoic acid	<0.1	0.1
cis-10-Heptadecanoic acid	<0.1	0.1
Stearic acid	1.32	0.1
Oleic acid	5.79	0.1
trans-Elaidic acid	<0.1	0.1
Lenoleic acid	28.86	0.1
trans-Lenoleic acid	<0.1	0.1
alpha-Linolenic acid	9.98	0.1
Gamma-Linolenic acid	0.37	0.1
Arachidic acid	0.28	0.1
cis-11-Eicosadienoic acid	<0.1	0.1
cis-11,14-Eicosadienoic acid	<0.1	0.1
cis-11,14,17-Eicosatrienoic acid	<0.1	0.1
cis-8,11,14-Eicosatrienoic acid	<0.1	0.1
Arachidonic acid	<0.1	0.1
cis-5, 8, 11, 14,17-Eicosapentanoic acid (EPA)	<0.1	0.1
Heneicosanoic acid	<0.1	0.1
Behenic acid	<0.1	0.1
Erucic acid	<0.1	0.1
cis-13.16-Docosadienoic acid	<0.1	0.1
cis-4, 7, 10, 13,16,19-Docosahexaenoic acid (DHA)	<0.1	0.1
Tricosanoic acid	<0.1	0.1
Lignoceric acid	<0.1	0.1
Butyric acid	<0.1	0.1
Nervonic acid	<0.1	0.1
Caproic acid	<0.1	0.1
Caprylic acid	<0.1	0.1

**Heavy metal analysis (mg/kg)**

Lead (as Pb)	0.03	0.01
Arsenic (as As)	BLQ	0.01
Cadmium (as Cd)	BLQ	0.01
Mercury (as Hg)	BLQ	0.01

**Microbiological analysis**

Total Plate Count	5.40 x 10 <sup>4</sup> cfu/g
Yeast & Mould Count	1.60 x 10 <sup>3</sup> cfu/g
Coliform Count	<10 cfu/g
Detection of <i>E.coli</i>	Absent/g
Detection of <i>S.aureus</i>	Absent/g
Detection of <i>Salmonella</i>	Absent/25g

Note: BLQ-Below Limit of Quantification

\*The tests were outsourced to an NABL accredited laboratory ULR NO.: TCS96019000028131P

1. The results reported relate only to the sample(s) tested.

2. This test report, in full or in part, shall not be reproduced, used for any legal action, without prior written approval of laboratory.

3. The tests marked with #are subcontracted.

4. The Report no. with suffix R- Revised Report.