FOOD CHEMISTRY TEST CERTIFICATE

Report Status:	**Final Report**
Date of Issue:	**14-Oct-2020**
Report Number:	**983903**
Project:	**1-200930-20359**

Page 1 of 2

Attention:		**Order Number:**	
Client:	**HEMPTECH IRELAND LTD**		
Address:	BRIDGEMEADOWS		
	HOLLYWOOD GLEN RD		
	DONARD		
	CO. WICKLOW.		

Disclaimer

Results in this report relate only to the items tested.

Reports may not be reproduced in full without the approval of **Advanced Laboratory Testing**.

Results reported as cfu/cm2 are calculated based on information supplied by the relevant customer regarding the specific area swabbed.

* beside the method or lack of INAB symbol signifies that **Advanced Laboratory Testing** are not INAB accredited for this method.

Samples are retained post analysis for a period of 10 days. Samples are stored frozen by default except in the case of M&S requirements.

Unless otherwise stated as a Test Certificate comment, samples were received in a satisfactory condition.

The fatty acids in the sample uses a conversion factor of 0.956, for non-fatty acid material in the fat.

ALT ID: 2444690   **Date Received:** 30/09/2020   **Date Tested:** 02/10/2020

INAB P9 Classification: Others: Others

Client ID: Hempseed cake Full Group 2

Test	Result	Unit(s)	Method	Technique
Fat	10.2	g/100g	**FCTM006A**	Nuclear Magnetic Resonance
Moisture	8.5	g/100g	**FCTM006B**	CEM SMART Trac II™ NMR
Ash	6.8	g/100g	**FCTM007**	Phoenix Microwave Furnace
Sodium	<0.02	g/100g	**FCTM008**	Atomic Absorption
Sodium expressed as Salt (NaCl)	<0.05	g/100g	**FCTM008**	Atomic Absorption
Total Sugars expressed as Glucose	3.3	g/100g	**FCTM009**	Inversion (Acid Hydrolysis)
Nitrogen	5.68	g/100g	**FCTM010**	Leco Nitrogen Analyser
Protein	35.5	g/100g	**FCTM010**	Leco Nitrogen Analyser
Protein Conversion Factor	6.25		**FCTM010**	Leco Nitrogen Analyser
Fatty Acids (Mono Unsaturated)	0.94	g/100g	**FCTM011**	GLC
Fatty Acids (Poly Unsaturated)	7.66	g/100g	**FCTM011**	GLC
Fatty Acids (Saturated)	1.15	g/100g	**FCTM011**	GLC
Total Dietary Fibre	43.4	g/100g	**FCTM012**	ANKOM Analyser
Available Carbohydrate (By difference)	<0.1	g/100g	**FCTM013**	Calculation
Energy (Kcal)	334**	kcal/100g	**FCTM013**	Calculation
Energy (Kj)	1384**	kJ/100g	**FCTM013**	Calculation
Total Carbohydrate (By difference)	39.0	g/100g	**FCTM013**	Calculation

**The sugar result exceeds the available carbohydrate. The sugar test is more accurate than the available carbohydrate test. The sugar result has therefore been used to calculate the Energy value.The sugar result should be used as available carbohydrate.

The results in this report were authorised by:

Authorized Signatory	Title
Denis Kent	**Technical Manager - Chemistry**

Denis Kent

FOOD CHEMISTRY TEST CERTIFICATE

Report Status:	**Final Report**
Date of Issue:	**14-Oct-2020**
Report Number:	**983903**
Project:	**1-200930-20359**
Page 2 of 2	

Client: **HEMPTECH IRELAND LTD**

Order Number:

ALT ID: 2444691	**Date Received:** 30/09/2020	**Date Tested:** 02/10/2020	

INAB P9 Classification: Others: Others

Client ID: CBD cake Full Group 2

Test	Result	Unit(s)	Method	Technique
Fat	8.7	g/100g	**FCTM006A**	Nuclear Magnetic Resonance
Moisture	10.5	g/100g	**FCTM006B**	CEM SMART Trac II™ NMR
Ash	11.5	g/100g	**FCTM007**	Phoenix Microwave Furnace
Sodium	<0.02	g/100g	**FCTM008**	Atomic Absorption
Sodium expressed as Salt (NaCl)	<0.05	g/100g	**FCTM008**	Atomic Absorption
Total Sugars expressed as Glucose	1.7	g/100g	**FCTM009**	Inversion (Acid Hydrolysis)
Nitrogen	4.51	g/100g	**FCTM010**	Leco Nitrogen Analyser
Protein	28.2	g/100g	**FCTM010**	Leco Nitrogen Analyser
Protein Conversion Factor	6.25		**FCTM010**	Leco Nitrogen Analyser
Fatty Acids (Mono Unsaturated)	0.82	g/100g	**FCTM011**	GLC
Fatty Acids (Poly Unsaturated)	6.42	g/100g	**FCTM011**	GLC
Fatty Acids (Saturated)	1.08	g/100g	**FCTM011**	GLC
Total Dietary Fibre	44.5	g/100g	**FCTM012**	ANKOM Analyser
Available Carbohydrate (By difference)	<0.1	g/100g	**FCTM013**	Calculation
Energy (Kcal)	286**	kcal/100g	**FCTM013**	Calculation
Energy (Kj)	1185**	kJ/100g	**FCTM013**	Calculation
Total Carbohydrate (By difference)	41.1	g/100g	**FCTM013**	Calculation

**The sugar result exceeds the available carbohydrate. The sugar test is more accurate than the available carbohydrate test. The sugar result has therefore been used to calculate the Energy value. The sugar result should be used as available carbohydrate.

The results in this report were authorised by:

Authorized Signatory	Title
Denis Kent	**Technical Manager - Chemistry**

Denis Kent