

Report ID	Report Date: 19/8/2013 Sample Code: 1323.130731/309 Pages: 2
Client ID	Company: "PHYTOPHYL" N.G.STAVRAKIS Address: SHIMATARI VIOTIA 32009 -GREECE Tel.: +30 2262 058670 Fax: +30 2262 058735 email: nista@otenet.gr
Sample ID	Product: Hydrolyzed protein Sampling: From client Labelling from Client: 'ENTOMEΛA ("ENTOMELA") 50SL BATCH NUMBER: 5013014 Ημ.Παράγ. ("Production date") 25/07/2013 Quantity: 1kg Sample condition: good Preservation: Room Temperature Sample Received: 31/7/2013 Dates of Analysis: 9-17/8/2013



	Test Parameters	Results	RL*	Method
1	Total nitrogen (% w/w)	8.43	0.10	AOAC 2001.11
-	Protein equivalent (% w/w) ⁽²⁾	52.7	--	AOAC 2001.11
2	Urea nitrogen	7.94	0.10	AOAC 959.03 (in house)

CERTIFICATE OF ANALYSIS


-	Equivalent urea (% w/w)	17.3	--	--
3	Nitrogen ammoniacal (% w/w)	0.44	0.2	EN 15475:2009 (in house)
-	Equivalent ammonium salts as NH ₄ Cl (% w/w)	1.7	--	--
4	Chlorine salts as NaCl (% w/w)	1.7	0.2	ISO 457:1983 (in house)
5	Amino-acids index	1.0	--	Modified AOAC 965.31
6	Dry matter	78.0	0.1	ISO 2920:2004 (in house)
7	Insoluble in water	0.22	0.05	CIPAC MT 10.2 (modified)
8	pH (25°C)	6.67	--	CIPAC MT 75.3
9	Density 20°C (g/100ml)	1.366	--	CIPAC MT 3.3.2
10	Appearance	syropy liquid	--	Macroscopic examination
11	Color	Deep reddish- brown	--	Macroscopic examination
12	Odor	Characteristic of protein hydrolysis	--	Sensory evaluation

*RL: Reporting Limit

Notes:

(1) Protein equivalent is determined according to the equation: Protein (% w/w) = N (w/w) x 6.25

ΗΛΙΟΠΟΥΛΟΣ ΝΙΚΗΦΟΡΟΣ
HELLASCHEM
ΧΗΜΙΚΕΣ ΔΟΚΙΜΕΣ ΚΑΙ ΑΝΑΛΥΣΕΙΣ
ΥΠΗΡΕΣΙΕΣ ΕΡΕΥΝΑΣ - ΕΚΠΑΙΔΕΥΣΗ
ΥΠΗΡΕΣΙΕΣ ΓΙΑ ΕΛΕΓΧΟ ΠΟΙΟΤΗΤΑΣ
ΛΕΩΦ. ΚΑΠΟΔΙΣΤΡΙΟΥ 8 ΜΑΡΟΥΣΙ 151 23
ΑΦΜ: 026997995 - ΔΟΥ: ΑΜΑΡΟΥΣΙΟΥ
ΤΗΛ/ΦΑΞ: 210 6100733 info@hellaschem.gr

Certified by
HELLASCHEM

N. Iliopoulos
Chemist M.Sc.-Ph.D.c.
Technical Manager

This certificate may not be reproduced, other than in full, except with prior authorization from HELLASCHEM
The results refer only to the samples sent to HELLASCHEM
HELLASCHEM is certified according to ISO 9001:2008 for its laboratory & consultancy services