

Republic of the Philippines  
Department of Science and Technology

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**  
(Formerly National Institute of Science and Technology)  
**STANDARDS AND TESTING DIVISION**  
Gen. Santos Ave., Bicutan, Taguig, Metro Manila 1631

Fax No.: (632) 837-31-67 / 837-00-32

Tel. Nos. 837-20-71 to 82  
local 2188, 2189

**REPORT OF ANALYSIS**  
**No. ITDI-CHL-2015-0500**

Customer's Name : Arlene Alegre  
Address : Camarines Norte State College, Daet, Camarines Norte  
Sample Code : 2015-500-1  
Sample : *Anti-pathogenic Solution*  
Description & Identification : About 500 ml of clear, yellow liquid in an unmarked plastic bottle  
Date received : March 25, 2015  
Date (s) Tested : April 13-14, 2015

Phytochemical test for plant constituents:

Sterols	-	(-)
Triterpenes	-	(++)
Flavonoids	-	(-)
Alkaloids	-	(+++)
Saponins	-	(+++)
Glycosides	-	(++)
Tannins	-	(+)

<sup>a</sup> Moisture, % v/v	0.133
<sup>b</sup> Glucose, % w/w	0.108


Note: (+) Traces; (++) moderate, (+++) abundant  
(-) Absence of constituents

Reference: Pharmacognosy, 15<sup>th</sup> edition, 2002, Trease & Evans


<sup>a</sup>Toluene Distillation Method

<sup>b</sup>High Performance Liquid Chromatography

**VALIDITY OF THE REPORT:** The test results are those obtained at the time of the test and pertain only to the sample(s) received by this Laboratory. *Codes and words in italics* are quoted solely for the customer's reference; significance of these codes and words are not verified by this Laboratory. This report is not to be used for advertising purposes or sales promotion.

  
ROSARIO T. FUERTES  
OIC, Chemistry Laboratory

Issued under the Authority of:

  
DR. CYNTHIA M. NALO-OCHONA  
Officer-in-Charge