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April 11, 2011

Mr. Naftaly Nahum
Hair Express LTD
14 Yad Harotsim Street
Tel Aviv, Israel 67778

Subject: Formaldehyde Analysis of Hair Care Products
LEGEND No: 1101485

1.0 INTRODUCTION

LEGEND TECHNICAL SERVICES, INC. (LEGEND) received one sample from a representative of Hair Express LTD on April 4, 2011. LEGEND was requested to determine the formaldehyde concentration in the submitted sample. The analysis was based on EPA methods TO-11A and 8315 utilizing high performance liquid chromatography (HPLC).

2.0 SAMPLE IDENTIFICATION

LEGEND Identification	Client Identification
1101485-01	Nanokeratin System Hair Therapy

3.0 METHODOLOGY

A portion of the hair care product was transferred to a three neck reaction flask with ports for an incoming purge gas (air), thermocouple and exhaust impinger. The sample was heated to 230°C (450°F) utilizing a heating mantle, with the resulting off gassed vapors collected in a solution of 2-dinitrophenyl hydrazine (DNPH). The sample was held at the final temperature for ten minutes. Once in the DNPH solution, formaldehyde if present would react with the DNPH solution to form the hydrazone derivative. This formaldehyde hydrazone derivative was then analyzed utilizing reverse phase HPLC with photodiode UV detection.

4.0 RESULTS

Client Sample Identification	LEGEND Identification	Formaldehyde (% by weight)
Nanokeratin System Hair Therapy	1101485-01	0.027

5.0 REMARKS

The unconsumed sample will be retained for thirty days then discarded unless other instructions are received from the client.

Submitted by,

LEGEND TECHNICAL SERVICES, INC.

Tom Barrett
Senior Chemist

Scott Creekmur
Chemist II