CEMSA – Centro de Espectrometria de Massas Aplicada Ltda
CNPJ: 10.571.740/0001-31
CIETEC/IPEN - Av. Prof. Lineu Prestes, 2242
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ANALYSIS REPORT

São Paulo, 07th of July 2015.

Proposal number: M1211-0278

Number of pages: 06

SPONSOR: Brazilian Secrets Hair Industria e Comercio Importação e Exportação de Cosméticos LTDA

ADDRESS: Rua Alcântara Machado, 44 – Centro
CEP 20081-010 – Rio de Janeiro, RJ, Brasil

REQUESTED ANALYSIS: Formaldehyde dosing after thermal process using High Performance Liquid Chromatography technique – HPLC-UV/Vis.

SAMPLE DESCRIPTION: Cosmetic sample.

Sample Identification (CEMSA ID: 1796): Activator - Argil Cream Smoothing Solution - IPC.2015.0243.

Observation: The sample was received in a plastic flask and identified as described above.

Sample Identification (CEMSA ID: 1797): Argila Powder – White Argil Powder - IPC.2015.0243.

Observation: The sample was received in a plastic envelope and identified as described above.

TOTAL OF SAMPLES: Two (02) samples sent.

Responsibility Terms

1. The obtained results refer only to the material submitted to the assay.

2. We do not admit any responsibility referring to the sampling accuracy unless performed under our own supervision. Unless expressly stated, the samples were freely selected by the Sponsor.

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Proposal Nb.: M1211-0278

Analysis Report

Analysts: Renan de Azevedo Silva
Analytical Technique: High Performance Liquid Chromatography - HPLC-UV/Vis
Laboratory: CEMSA

RESULTS:

Sample ID CEMSA	Concentration ($\mu g.mL^{-1}$)
1796/1797	< LD

08th | June | 2015
Arrival Date

02nd | July | 2015
Assay Performance Date

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Conclusion

After the analysis of the samples, the presence of the target compound (Formaldehyde) was not detected above the detection and quantification limits of the developed method, according to the criteria presented below.

Detection Criteria:

Detection limit = 0.20 $\mu g.mL^{-1}$ or 0.02% of the assessed sample content.

Quantification limit = 0.50 $\mu g.mL^{-1}$ or 0.20% of the assessed sample content.

The chromatograms related to the samples' analysis are presented on ANNEX 1, as well as the "*Spikes"* (samples with the addition of a known concentration of the target compound) performed in the samples.

EXECUTOR LABORATORY:

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Technical-Scientific Director

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ANNEX 1– Chromatograms.

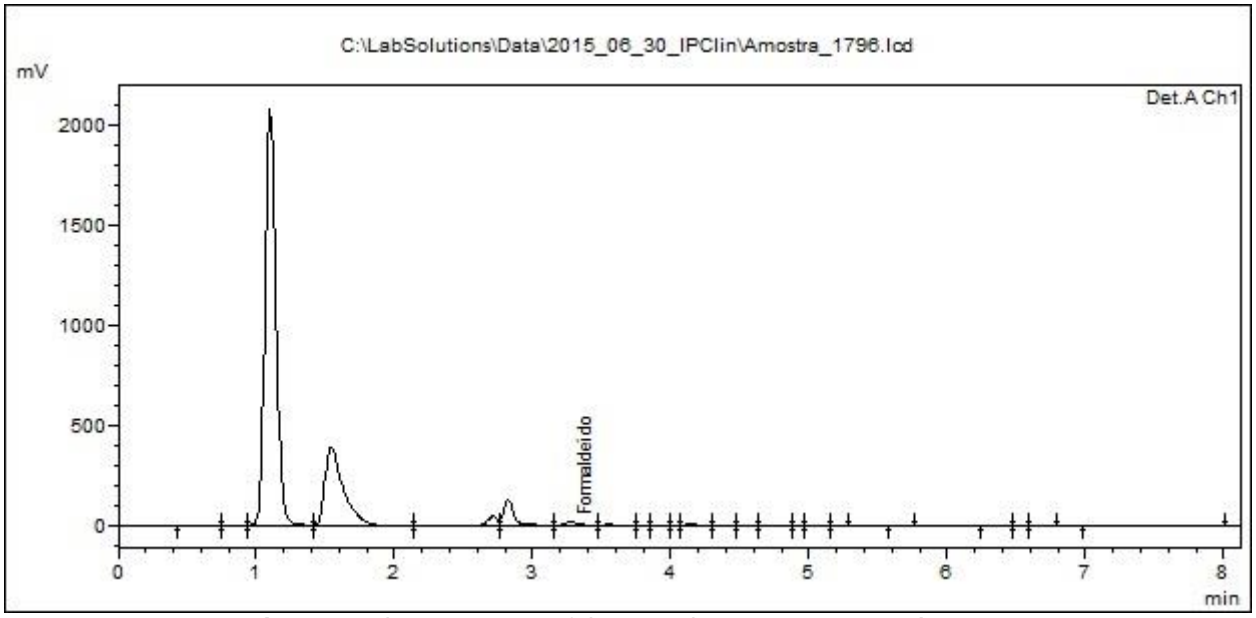

Figure 1. Chromatogram of the sample **ID CEMSA 1796/1797**.

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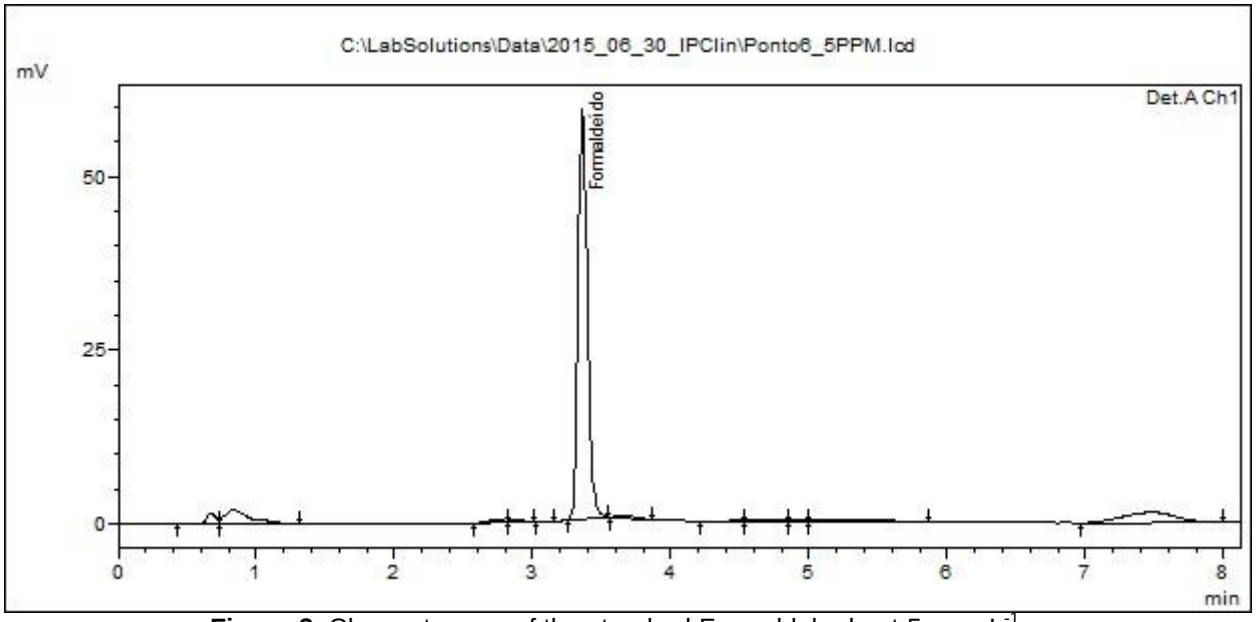

Figure 2. Chromatogram of the standard Formaldehyde at 5 µg.mL^{-1}.

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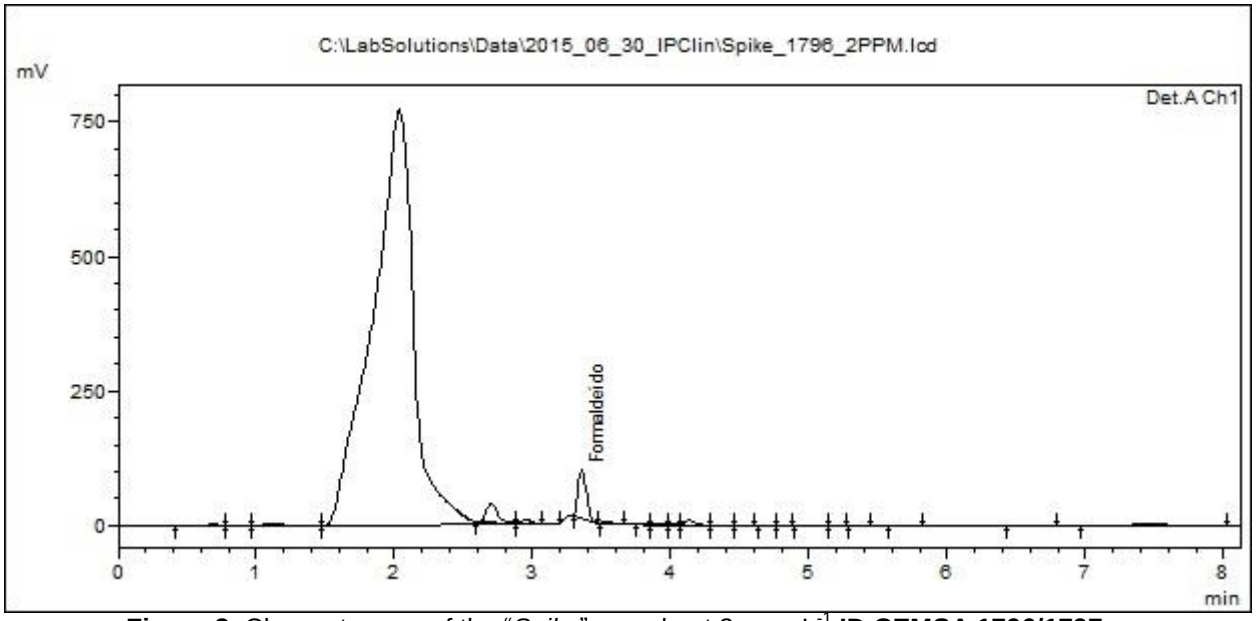

Figure 3. Chromatogram of the "*Spike*" sample at 2 µg.mL^{-1} **ID CEMSA 1796/1797**.