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**Laboratory #:** 508848-09  
**Report Date:** March 9, 2009  
**Received Date:** February 25, 2009

**Attention:** David Berghash

## TEST REPORT

### RE: ANALYSIS OF SAMPLE FOR LEAD CONTENT PRESENCE OF PHTHALATES

#### 1.0 INTRODUCTION

On February 25, 2009, CMTL received one (1) sample for analysis to determine if the material contains Lead and complies with the Consumer Product Safety Improvement Act (CPSIA) using an Inductively Coupled Argon Plasma Spectrometer as per ASTM D1976-07 (Modified); and for presence of phthalates utilizing a Fourier Transform Infrared (FTIR) Spectrometer as per ASTM E1252-98 (2002).

The submitted sample was identified as follows:

Sample #1: **A022009**

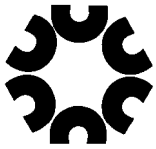
#### 2.0 RESULTS

##### 2.1 Infrared Analysis

The sample was fragmented and extracted with trichloroethylene (TCE). The extract was analysed using an FTIR Spectrometer equipped with an Attenuated Reflectance attachment to evaluate the presence of phthalates.

The results obtained are shown in the following table:

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Infrared Analysis (Cont'd)

<u>DESCRIPTION</u>	<u>PRESENCE OF PHTHALATES</u>
Sample #1: <b>A022009</b>	<b>NO</b>

(See Attached Infragraph)

2.2 Spectrometric Analysis

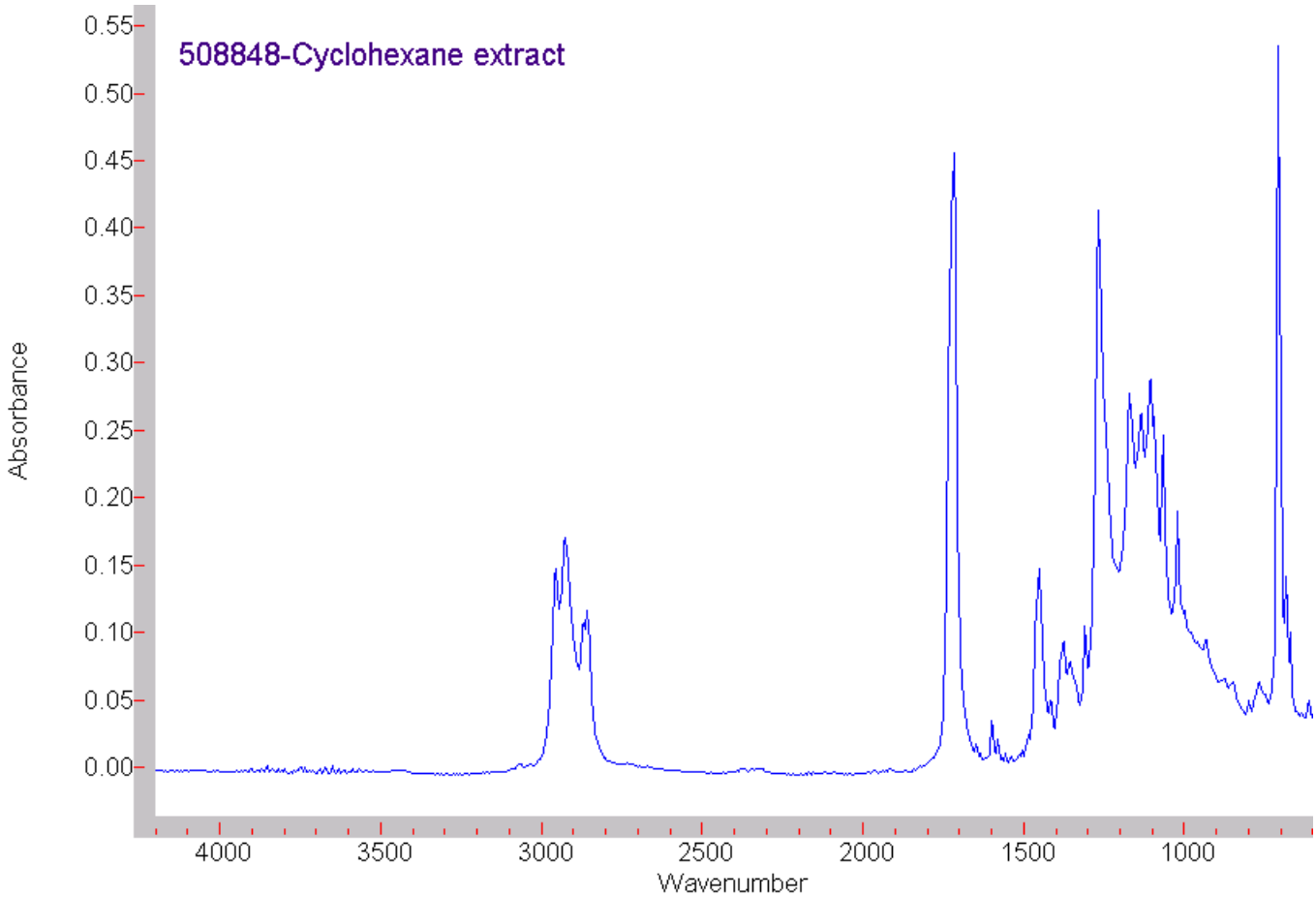
The submitted specimen was initially ashed at 550°C, later digested in acid and then analyzed using an Inductively Coupled Argon Plasma (ICAP) Spectrometer (ASTM D1976-07 (modified)) to determine the concentration of Total Lead.

The results of the analysis are as follows:

<u>DESCRIPTION</u>	<u>TOTAL LEAD (PPM)</u>	<u>COMPLIANCE WITH 16 C.F.R. 1303 (600 PPM MAX)</u>
Sample #1: <b>A022009</b>	<1	YES



FTIR INFRAGRAPHS



Source: Shield Manufacturing

Sample I.D.: Sample #1: **A022009**

Remarks: The Infragraphs shows that the submitted sample described above has **no presence of Phthalates.**