

Client: SNUGZ USA
Job Number: 114859

Cadmium and Lead by SOP 7040, Rev 10
Quantitative Analysis Report
Inductively Coupled Plasma-Mass Spectrometry

Parts Per Million (µg/g)

| <u>Sample ID</u> | <u>Cadmium</u> | <u>Lead</u> |
|------------------|----------------|-------------|
| Polyester | ND | ND |
| Detection Limit: | 0.1 | 0.1 |

Date Analyzed: 05-22-09

Quality Control Summary

Sample: Polyester

| <u>Analyte</u> | <u>Sample Result</u> | <u>Duplicate Result</u> | <u>Average Result</u> | <u>Sample RPD</u> | <u>Spike Conc</u> | <u>Spike Result</u> | <u>Spike % Rec</u> |
|----------------|----------------------|-------------------------|-----------------------|-------------------|-------------------|---------------------|--------------------|
| Cadmium | ND | ND | ND | NA | 295 | 317 | 107 |
| Lead | ND | ND | ND | NA | 295 | 287 | 97 |

Date Analyzed: 05-22-09

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Phthalates by GCMS

Sample Preparation

A portion of each sample was extracted in methylene chloride. An aliquot of each extract was spiked with internal standards and was analyzed by GCMS.

GCMS Conditions

Column: 30 m x 0.32 mm Rtx-5Sil MS, 1 micron film
Column Temp: 120 °C (hold 1 min) to 320 °C at 15 °C/min (hold 8 min)
Injector Temp: 320 °C
Mass Range: 41-475 amu; 3.35 scans/sec

Weight Percent (w/w)

| <u>Analyte</u> | <u>Polyester</u> | <u>Detection Limit</u> |
|----------------------------|------------------|------------------------|
| Dimethyl phthalate | ND | 0.004 |
| Diethyl phthalate | ND | 0.004 |
| Di-n-butyl phthalate | ND | 0.004 |
| Di-n-hexyl phthalate | ND | 0.004 |
| Butyl benzyl phthalate | ND | 0.004 |
| Bis(2-ethylhexyl)phthalate | ND | 0.004 |
| Bisphenol A | ND | 0.004 |
| Di-n-octyl phthalate | ND | 0.004 |
| Diisononyl phthalate | ND | 0.1 |
| Diisodecyl phthalate | ND | 0.1 |

Dates analyzed: 05-23-09

Quality Control Summary

| <u>Sample ID:</u> | <u>Batch QC</u> | | | | <u>Spike Duplicate Result</u> | <u>Spike Duplicate % Rec</u> | <u>Spike RPD</u> |
|----------------------------|----------------------|-------------------|---------------------|--------------------|-------------------------------|------------------------------|------------------|
| <u>Analyte</u> | <u>Sample Result</u> | <u>Spike Conc</u> | <u>Spike Result</u> | <u>Spike % Rec</u> | | | |
| Dimethyl phthalate | ND | 0.0467 | 0.0490 | 105 | 0.0439 | 94 | 11 |
| Diethyl phthalate | ND | 0.0474 | 0.0503 | 106 | 0.0447 | 94 | 12 |
| Di-n-butyl phthalate | ND | 0.0500 | 0.0548 | 110 | 0.0483 | 97 | 13 |
| Di-n-hexyl phthalate | ND | 0.0470 | 0.0549 | 117 | 0.0478 | 102 | 14 |
| Butyl benzyl phthalate | ND | 0.0466 | 0.0507 | 109 | 0.0455 | 98 | 11 |
| Bis(2-ethylhexyl)phthalate | ND | 0.0537 | 0.0668 | 124 | 0.0555 | 103 | 18 |
| Bisphenol A | ND | 0.0489 | 0.0309 | 63 | 0.0271 | 55 | 13 |
| Di-n-octyl phthalate | ND | 0.0497 | 0.0592 | 119 | 0.0526 | 106 | 12 |

QC Guidelines

| <u>Analyte</u> | <u>% Recovery</u> | <u>RPD Limit</u> |
|----------------|-------------------|------------------|
| All compounds | 50 - 150 | NMT 25 |