**ANALYTICAL TEST REPORT**

**REPORT TO**

HEARTWARE INC / LIBERTYVILLE
1795 N BUTTERFIELD RD

LIBERTYVILLE, IL 60048

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**Batch Number:** HEARTHWAR_110914059

**Date Received:** 09/14/2011

**Due Date:** 09/28/2011

**Start Date:** 09/14/2011

**Blanket PO:** CREDIT CARD

**PO Number:** CREDIT CARD

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<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Product ID</th>
<th>Product Description</th>
<th>Sample Description</th>
<th>Analyte Name</th>
<th>Result</th>
<th>Units</th>
<th>Specs * Provided</th>
<th>Method Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC73050</td>
<td>OIL</td>
<td>OIL</td>
<td>FRESH</td>
<td>Cholesterol by GC</td>
<td>20.65</td>
<td>MG/100G</td>
<td>N</td>
<td>AOAC 970.51</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Fatty Acid Profile, GC w/ trans Fatty Acids, % of fat</td>
<td>64.03</td>
<td>PERCENT OF FAT</td>
<td>N</td>
<td>AOAC 996.06 &amp; AOCS CE/C - 89(92)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Polyunsaturated</td>
<td>27.81</td>
<td>PERCENT OF FAT</td>
<td>N</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Saturated</td>
<td>8.15</td>
<td>PERCENT OF FAT</td>
<td>N</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Trans Fatty Acids</td>
<td>0.02</td>
<td>PERCENT OF FAT</td>
<td>N</td>
<td></td>
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<tr>
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<td></td>
<td></td>
<td>Moisture, Karl Fischer</td>
<td>0.41</td>
<td>PERCENT</td>
<td>N</td>
<td>KARL FISCHER, AOAC OR USP 34</td>
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<td></td>
<td>Peroxide Value</td>
<td>6.04</td>
<td>MEQ/KG</td>
<td>N</td>
<td>AOAC 965.33</td>
</tr>
</tbody>
</table>

**AC73051** OIL OIL ELECTRIC 48 PC

Cholesterol by GC

Fatty Acid Profile, GC w/ trans Fatty Acids, % of fat

Monounsaturated

Polyunsaturated

Saturated

Trans Fatty Acids

Moisture, Karl Fischer

Peroxide Value

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* For Northland Retest Policy, go to www.northlandlabs.com/retest.aspx. Samples were received by Northland Laboratories in acceptable condition unless otherwise noted on this report. The results shown on this Analytical Test Report refer only to the sample(s) submitted, and reflect on the analyses contracted by Northland's client to be performed. This report may include tests that are not included in Northland Laboratories' scope for ISO/IEC 17025 accreditation. For a complete list of all tests included in Northland Laboratories scope for ISO/IEC 17025 accreditation, go to www.northlandlabs.com/ISO.aspx. This Analytical Test Report shall not be reproduced, except in full, without written permission from Northland Laboratories.
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**Sample ID** | **Product ID** | **Product Description** | **Sample Description** | **Lot Number** | **Request Number**
---|---|---|---|---|---
Analyte Name | Result | Units | Spec * Provided | Method Reference
---|---|---|---|---
AC73052 OIL OIL GAS 48 PC
Cholesterol by GC | 29.47 | MG/100G | N | AOAC 970.51
Fatty Acid Profile, GC w/ trans Fatty Acids, % of fat
Monounsaturated | 66.84 | PERCENT OF FAT | N | AOAC 996.06 & AOCS CE/C - 89(92)
Polyunsaturated | 22.62 | PERCENT OF FAT | N |
Saturated | 10.31 | PERCENT OF FAT | N |
Trans Fatty Acids | 0.23 | PERCENT OF FAT | N |
Moisture, Karl Fischer | 0.26 | PERCENT | N | KARL FISCHER, AOAC OR USP 34
Peroxyde Value | 5.39 | MEQ/KG | N | AOAC 965.33

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**Reviewed By:** M. Rodriguez  
Customer Service Manager

**Accreditation Number:**  
AOAC Laboratory Proficiency Site # 95190, 30440  
USDA/FSIS - Chemistry #1761  
ISO/IEC 17025 Certificate #AT-1491

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