Agilent Product Name: Metals in Biodiesel Standard: 20µg/g Ca, K, Mg, Na, P in B100 Biodiesel
Agilent Part No: 5190-8723
Lot No: 001065687A

Product Specifications

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Starting Material</th>
<th>CAS #</th>
<th>Concentration</th>
<th>Analyte</th>
<th>Starting Material</th>
<th>CAS #</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ca</td>
<td>Proprietary</td>
<td>n/a</td>
<td>20.5 µg/g +/− 1%</td>
<td>Na</td>
<td>Proprietary</td>
<td>n/a</td>
<td>20.1 µg/g +/− 1%</td>
</tr>
<tr>
<td>K</td>
<td>Proprietary</td>
<td>n/a</td>
<td>20.1 µg/g +/− 1%</td>
<td>P</td>
<td>Proprietary</td>
<td>n/a</td>
<td>20.1 µg/g +/− 1%</td>
</tr>
<tr>
<td>Mg</td>
<td>Proprietary</td>
<td>n/a</td>
<td>20.0 µg/g +/− 1%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Matrix: B100 Biodiesel

Intended Use: This solution is intended for use as a calibration or reference standard for the analysis of metals in biodiesel or related organic matrices according to ASTM D6751.

Certification & Traceability: This solution was prepared under a quality management system that is accredited to ISO/IEC 17025, and registered to ISO 9001. This standard was prepared to the nominal concentrations using gravimetric methods. Each certified concentration is based upon the assayed concentration of the raw material and all gravimetric procedures used in the preparation of this certified standard. The uncertainty associated with each certified concentration is +/− 1% relative, which is the sum of the estimated errors due to the assay and purity of the raw material and the gravimetric preparation of the solution. Secondary verification of the certified concentrations was done using ICP-AES and these data are traceable to NIST SRMs: 3109a, 3141a, 3131a, 1069b, 3139a and/or 1085b.

Instructions for Use: Agilent Technologies recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Period of Validity: Agilent Technologies ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver: [Signature]

Date of release: 24 November 2015
Date of expiration: 21 July 2017
QA Manager