**INTERLABORATORY STUDY on METALS in BIODIESEL 100% FAME (B100) iis14G02M**

(based on specifications EN14214 and ASTM D6751)

**lab code:**

Report for analysis results on sample #14046

Report to: Mr. R.J.Starink

email iisnl@sgs.com (preferred) or faxno. + 31 181 69 45 43 **before May 2, 2014**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Determination** | **unit** | **Reference method (\*\*)** | **Actual method used (\*\*)** | **’unrounded’****result #14046** | **Result #14046*****cfr.* used standard** |
| Calcium & Magnesium | mg/kg | EN14538 |  |  |  |
| Phosphorus  | mg/kg | EN14107 |  |  |  |
| Potassium | mg/kg | EN14109 |  |  |  |
| Sodium | mg/kg | EN14108 |  |  |  |

(\*\*) Please see the letter of instructions

Name of laboratory: Date of sample receipt:

Country: City:

Name of contact person: Date of report:

Instructions to participants for the interlaboratory study Metals in BIODIESEL 100% FAME iis14G02M

\* **Please confirm sample receipt** as soon as you have received and checked the contents of this package, preferably using the fax form that you receive together with this package. Please complete the form and send it to i.i.s. (email iisnl@sgs.com or faxno. + 31 181 694543 ). When the bottle has been broken, please do not accept the package from the courier. Please be noticed that we will only send a replacement bottle at our cost when there is proof of the sample being broken upon receipt. This means that the consignee must report a broken bottle immediately. The consignee should take pictures of how the package and bottle looked upon arrival. We need these pictures to claim costs from the forwarders. The consignee should always mark any damage (dents, rips, leakage etc.) on the outside of the packages on the consignment note from the courier when it is delivered. Even minor damages should be reported. Please send copies of consignment notes and the pictures via email to nl.spijkenisse.saman@sgs.com.

\* Please records the date that the samples were received on the report form.

\* This interlaboratory study concerns one bottle of 0.1L, labelled #14046 especially for the analysis of metals only. Please treat the sample **as if it was a routine sample**.

\* Each laboratory is requested to analyse the samples in the way it would normally do in day-to-day circumstances. Furthermore, each laboratory is advised to perform only those analyses you routinely do (but you are allowed to do all analysis if you like). It might be wise to start with those tests which are most important to your laboratory, especially if the supplied sample amount seems to be critical for you lab.

\* Report the analytical results using the indicated units on the report form. Report in the last column the analytical results, rounded in accordance with the standard method that was used. Report in the first result column the same analytical results but less rounded (we suggest to report one extra significant figure) in order to give more meaningful statistical calculations. For example, when you use EN14108 for the determination of Sodium and you found a result of 10.06 mg/kg, we request you to report 10.1 mg/kg in accordance with EN14108 and 10.06 mg/kg as ‘unrounded’ result.

\* On the report form an extra column is added on request of several participants. This column is named: ”reference method”. In this column the method is mentioned, which the Institute for Interlaboratory Studies will use for calculating the z-scores. It is of utmost importance to know that the method, which is mentioned, is NOT mandatory. So when you normally use in day-to-day circumstances an other method than the method prescribed in the ”reference method” column. Please use your method and report the actual used method in the ”actual method used” column.

\* In order to avoid mix-up of test results we have added a box for your laboratory code. Please understand that it is not mandatory to use, but it will facilitate identification of your test results.

\* Return the completed report form(s) to the Institute for Interlabo­ratory Studies at Spijkenisse, The Netherlands, preferably one week after sample receipt, but **in any case before** the indicated closing date: **MAY 2, 2014** (preferably by email).

\* If you have any remarks/questions please contact:

ing. R.J. Starink, Institute for Interlaboratory Studies

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