Deutsche Akkreditierungsstelle GmbH

Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV
Signatory to the Multilateral Agreements of EA, ILAC and IAF for Mutual Recognition

Accreditation

The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

Bruker BioSpin GmbH
Laboratory: “BAS – Bruker Applied Services”
Am Silberstreifen 4, 76287 Rheinstetten

is competent under the terms of DIN EN ISO/IEC 17025:2018 to carry out tests in the following fields:

Determination of ingredients and characteristics for the authenticity and quality of liquid foodstuffs and food extracts by high-resolution proton NMR spectroscopy

The accreditation certificate shall only apply in connection with the notice of accreditation of 26.11.2019 with the accreditation number D-PL-19229-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 2 pages.

Registration number of the certificate: D-PL-19229-01-00

Dipl.-Ing. Andrea Valbuena
Head of Division

Translation issued:
09.01.2020
Head of Division

The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
https://www.dakks.de/en/content/accredited-bodies-dakks
See notes overleaf.
Deutsche Akkreditierungsstelle GmbH

Office Berlin
Spittelmarkt 10
10117 Berlin

Office Frankfurt am Main
Europa-Allee 52
60327 Frankfurt am Main

Office Braunschweig
Bundesallee 100
38116 Braunschweig

The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkkS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkkS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). DAkkS is a signatory to the Multilateral Agreements for Mutual Recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

The up-to-date state of membership can be retrieved from the following websites:
EA:  www.european-accreditation.org
ILAC: www.ilac.org
IAF:  www.iaf.nu
Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-19229-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 26.11.2019
Date of issue: 26.11.2019

Holder of certificate:
Bruker BioSpin GmbH
Laboratory: “BAS – Bruker Applied Services”
Am Silberstreifen 4, 76287 Rheinstetten

Tests in the fields:
Determination of ingredients and characteristics for the authenticity and quality of liquid foodstuffs and food extracts by high-resolution proton NMR spectroscopy

For the specified test areas, the testing laboratory is permitted to modify and develop new test procedures without obtaining prior notification and consent from DAkkS.

The test methods listed are given by way of example. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation.

Abbreviations used: see last page

The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
https://www.dakks.de/en/content/accredited-bodies-dakks
Annex to the accreditation certificate D-PL-19229-01-00

Determination of ingredients and characteristics for the authenticity and quality of liquid foodstuffs and food extracts by high-resolution proton NMR spectroscopy

AA-72-01-02  
2014-12  
SGF profiling  
Fruit juice analysis by NMR for ingredients, authenticity and quality, as well as NMR-based quantification, statistics and chemometrics

AA-72-02-02  
2016-09  
Wine profiling  
Wine analysis by NMR for ingredients, authenticity and quality, as well as NMR-based quantification, statistics and chemometrics

AA-72-03-02  
2018-10  
Honey profiling  
Honey analysis by NMR for ingredients, authenticity and quality, as well as NMR-based quantification, statistics and chemometrics

Abbreviations used:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIN</td>
<td>Deutsches Institut für Normung e. V. (German Institute for Standardization)</td>
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<tr>
<td>EN</td>
<td>European standard</td>
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<tr>
<td>AA</td>
<td>In-house method of Bruker BioSpin GmbH</td>
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<tr>
<td>IEC</td>
<td>International Electrotechnical Commission</td>
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<tr>
<td>ISO</td>
<td>International Organization for Standardization</td>
</tr>
<tr>
<td>NMR</td>
<td>Nuclear Magnetic Resonance</td>
</tr>
</tbody>
</table>

Valid from: 26.11.2019  
Date of issue: 26.11.2019