

Annex to declaration of accreditation (scope of accreditation)  
Normative document: EN ISO/IEC 17025:2017  
Registration number: L 228

of **Heineken Supply Chain B.V.**  
**Quality Assurance Laboratories (QAL)**

This annex is valid from: **18-01-2023** to **01-10-2025**

Replaces annex dated: **06-04-2022**

**Location(s) where activities are performed under accreditation**

**Head Office**

Burgemeester Smeetsweg 1  
2382 PH  
Zoeterwoude  
The Netherlands

<b>Location</b>	<b>Abbreviation/ location code</b>
Burgemeester Smeetsweg 1 2382 PH Zoeterwoude The Netherlands	Z

<b>No.</b>	<b>Material or product</b>	<b>Type of activity<sup>1</sup></b>	<b>Internal reference number</b>	<b>Location</b>
<b>Organic Analysis</b>				
1.	Beer	Determination of the content of F(oam) b(itter)hop and total iso- $\alpha$ -acids; UPLC-PDA	03.14.02.0801 in house method	Z

This annex has been approved by the Board of the  
Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

<sup>1</sup> If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on [RvA-BR010-list](#).  
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2017  
 Registration number: L 228

of **Heineken Supply Chain B.V.**  
**Quality Assurance Laboratories (QAL)**

This annex is valid from: **18-01-2023** to **01-10-2025**

Replaces annex dated: **06-04-2022**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
2.	Beer	Automatic determination of the content of diacetyl and 2,3-pentanedione; GC-ECD and Automated determination of the content of acetaldehyde, dimethyl sulphide (DMS), ethyl acetate, 1-propanol, isobutanol, iso amyl acetate, amylalcohols (sum of optical active amyl alcohol and iso amyl alcohol), total higher alcohols (sum of 1 propanol + isobutanol, + optical active amyl alcohol + iso-amyl alcohol); GC-FID	03.14.02.0707 in house method	Z
3.	Malt	Determination of the content of N-nitrosodimethylamine (NDMA); GC-TEA	03.14.02.0706 in house method	Z
<b>Inorganic analyses</b>				
4.	Beer and wort	Determination of bitterness, manually; spectrophotometry (UV)	03.14.02.0505 in house method	Z
5.	Beer	Determination of the pH; pH meter; combined glass electrode	03.14.02.0506 in house method	Z
6.	Beer	Determination of the pH; discrete analyser with flow-cell potentiometry	03.14.02.0506 in house method	Z
7.	Beer	Determination of the foam stability; NIBEM foam stability tester	03.14.02.0504 in house method	Z
8.		Determination of the content of total sulphur dioxide; discrete analyser; photometrical detection (DTNB method)	03.14.02.0529 and 03.14.02.2253 in house method	Z
9.		Determination of the content of free amino nitrogen; discrete analyser with photometrical detection (NOPA method)	03.14.02.0528 and 03.14.02.2253 in house method	Z
10.	Beer	Determination of the turbidity (after seven days forcing test); turbidity meter (90°, 0°C, 650 nm)	03.14.02.0511 in house method	Z
11.		Determination of the content of ethanol; discrete analyser; photometrical detection (Enzymatic method)	03.14.02.0532 and 03.14.02.2253 in house method	Z

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2017  
 Registration number: L 228

of **Heineken Supply Chain B.V.**  
**Quality Assurance Laboratories (QAL)**

This annex is valid from: **18-01-2023** to **01-10-2025**

Replaces annex dated: **06-04-2022**

No.	Material or product	Type of activity <sup>1</sup>	Internal reference number	Location
12.	Beer and wort	Determination of the turbidity; turbidity meter (90°, 0°C, 650 nm)	03.14.02.0503 in house method	Z
13.	Wort	Determination of the extract-content and/or apparent attenuation limit; density meter  Determination of the pH; pH meter; combined polymeer electrode	03.14.02.0909 in house method	Z
14.	Beer	Determination of specific gravity 20°C/20°C, colour and the determination of the content of apparent extract, real extract, original extract, apparent extract after attenuation, delta apparent extract and alcohol; density meter, NIR spectrophotometry and colorimetric	03.14.02.0521 in house method	Z
15.		Determination of specific gravity 20°C/20°C, colour, Carbon dioxide and the determination of the content of apparent extract, real extract, original extract, apparent extract after attenuation, delta apparent extract and alcohol; density meter, NIR spectrophotometry, volume expansion and colorimetric	03.14.02.0551 in house method	Z
16.		Determination of the carbon dioxide content and the total of foreign gas content; gas volume analyse (GVA)	03.14.02.1109 in house method	Z
<b>Sensory analyses</b>				
17.	Beer and cider	Determination of the sensorial quality; profile test	03.14.03.0110 in house method	Z
18.	Beer and cider	Determination of the sensorial quality; off flavour identification test	03.14.03.0110 in house method	Z