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Jana du Plessis

Enquiries:

Cape Town

### TEST REPORT -GLUTEN ELISA TESTING

Date of Report: 06/07/2016 Analysis ID.: 7435 Client details Boston Breweries

Customer Order No:

48 Carlisle street Date of Sample Receipt: 29/06/2016 Invoice No: 160704/1474

COD

Paarden Island Date of Analysis: 06/07/2016 No. of pages 1

For Attention Jason Wittshire

Sample details

Client sample identification: Boston Lager Gluten Free - Batch 1888 Sample ID No.: 6036

Wet. Shelf-stable Sample conditions: Issue: 1

4 x bottles No. of samples submitted: Known sample deviations: None Sample drawn by: Client

**Analysis details** 

Method identification: SOP-TM-001 (reference available on request) Test description: Quantitative Gluten Testing (ELISA)

Additional method information: R5 Mendez, AOAC-OMA (2012.01), Deviations from standard method:

certified at AOAC-RI (12061), Codex

Method (Type I)

Method cross-reactivity: The ELISA specifically detects gluten Known factors influencing test results: None

> prolamins in wheat, barley and rye. No cross reaction with soy, oats, maize, rice, millet, teff, buckwheat, quinoa and

amaranth.

## **Regulatory Aspects**

According to the South African Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act 54 of 1972) - Regulations Relating to the Labelling and Advertising of Foodstuffs, No. R. 146 (1 March 2010):

• Gluten must be declared on food product labels when present in the product, its ingredients or in its packaging material.

• The claim 'gluten-free' is not permitted for a food that: contains an ingredients that is or has been derived from any species of the significant cereals; and/or contains equal or more than 20 mg/kg gluten in the end product, when the level is determined by the R5 Mendez Enzyme-Linked Immunosorbent Assay (ELISA) for gluten, or other Codex-recommended methods.

#### **TEST RESULTS**

Method:	Method ID:	Method range of	MoU:	Your sample results (tested in duplicate)				
		quantification:		Lab ref.	Gluten ^:	Unit	Interpretation:	limits:
ELISA	SOP-TM-001	5.0 – 80.0 mg/kg	10 ppm	6036	<5.0	mg/kg (ppm)	<lloq< td=""><td>^^</td></lloq<>	^^
	(ppm) gluten		6036	<5.0	mg/kg (ppm)	<lloq< td=""><td></td></lloq<>		

Comments: Results are below the lower limit of quantification of the ELISA. Such results indicate that there may be zero or a very low level of gluten in the sample, too low to be accurately quantified with the ELISA.

<LLOQ = Below lower level of quantification of the method</p> WROQ = Within range of reliable quantification of the method

>ULOQ = Above the upper limit of quantification of the method

MoU = Measurement of Uncertainty

Method is not SANAS accredited

^^ There are currently no specified allowable levels set for gluten in South Africa. Stipulations for 'gluten-free' claims are indicated in

R.146/2010 and summarised above

Approved by

Jana du Plessis (MSc Genetics, US) Laboratory Manager alternatively

Cheryl Fox (Msc Biochemistry, US)

Dr. Harris Steinman (MB.Ch.B. (UCT), D.Ch. (SA), D. Av.

Med)

Please note that:

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- 2. The integrity of the reported result is valid only from the time of sample
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- End of Report -



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Sample details

Client sample identification: Boston Lager Gluten Free - Batch 1888 Sample ID No.: 6036

Wet. Shelf-stable Sample conditions: Issue: 1

4 x bottles No. of samples submitted: Known sample deviations: None Sample drawn by: Client

**Analysis details** 

Method identification: SOP-TM-101 (reference available on request) Test description: Quantitative Gluten Testing (ELISA)

Additional method information: The method is used for the analysis of Deviations from standard method:

fermented and hydrolysed food which are decalred as gluten-free.

Method cross-reactivity: The ELISA specifically detects gluten Known factors influencing test results: None

> prolamins in wheat, barley and rye. No cross reaction with soy, oats, maize, rice, millet, teff, buckwheat, quinoa and

amaranth.

# **Regulatory Aspects**

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#### **TEST RESULTS**

Method	: Method ID:	Method range of	MoU:	Your sample results (tested in duplicate)				
		quantification:		Lab ref.	Hydrolysed Gluten ^:	Unit	Interpretation:	limits:
ELISA	SOP-TM-101	10.0 – 270.0 mg/kg (ppm) gluten		6036	<10.0	mg/kg (ppm)	<lloq< td=""><td>^^</td></lloq<>	^^
				6036	<10.0	mg/kg (ppm)	<lloq< td=""><td></td></lloq<>	

Comments: Results are below the lower limit of quantification of the ELISA. Such results indicate that there may be zero or a very low level of gluten in the sample, too low to be accurately quantified with the ELISA.

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