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Title Analysis of Gin for Haloanisole Taints

Client Contact Name Kenny Maclean

Company Isle of Harris Distillers Ltd

Address Tarbert

Isle of Harris HS3 3DJ

Sample Details

SWRI No.	Client Reference	Description
\$18-2398	L180604 - Reference	Isle of Harris Gin - Reference Sample 1
S18-2400	L180620	Isle of Harris Gin - Complaint sample 1
S18-2401	L180704	Isle of Harris Gin - Complaint sample 2
S18-2402	L180705	Isle of Harris Gin - Complaint sample 3

Analysis Methods Determination of congeners - OP 283 using mass spectrometry

Comments Samples were analysed for haloanisole taints using headspace solid phase

micro-extraction coupled with gas chromatography - mass spectrometry.

The limit of detection for this analysis was

17 ng/l for 2,4,6-trichloroanisole, 10 ng/l for 2,3,5,6-tetrachloroanisole, 15 ng/l for 2,4,6-tribromoanisole and 23 ng/l for 2,3,4,6-tetrachloroanisole.

Results All the complaint samples contained a peak for 2,4,6-trichloroanisole but

only sample S18-2400 quantified above the limit of detection (17 ng/L).

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Results (cont).

All the samples, including the reference sample, contained trace levels of 2,4,6-tribromoanisole. The presence of 2,4,6-tribromoanisole in the reference sample suggests it is unlikely that this compound is contributing to the off-note.

Signatories

For and on behalf of **SWRI Services Limited** Name Position Shona Harrison BSc, Dipl.Distil

Analytical Services Manager

Signature Renahammen 17/10/2018

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Name Position

Barry Harrison BSc PhD Senior Scientist

Signature / / / / Date 17/10/2018

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Table No. 1

Determination of congeners

Sample (SWRI No.)

S18-2398

2,4,6-tribromoanisole was detected at a concentration of 19 ng/L.

Sample (SWRI No.)

S18-2400

2,4,6-trichloroanisole was detected at a concentration of 17 ng/L.

2,4,6-tribromoanisole was detected at a concentration of 15 ng/L.

Sample (SWRI No.)

S18-2401

A peak was present for 2,4,6-trichloroanisole. However, this was quantified

below the limit of detection (17 ng/L).

2,4,6-tribromoanisole was detected at a concentration of 18 ng/L.

Sample (SWRI No.)

S18-2402

A peak was present for 2,4,6-trichloroanisole. However, this was quantified

below the limit of detection (17 ng/L).

2,4,6-tribromoanisole was detected at a concentration of 21 ng/L.