THE Scotch Whisky RESEARCH INSTITUTE & SWRI Services Limited

Test Report Number : R18-224 Date Issue 17. October 2018

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
S18-2398	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).

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 Shona Harrison BSc, Dipl.Distil
Position Analytical Services Manager
Signature
Date 17/10/2018

Name Barry Harrison BSc PhD
Position Senior Scientist
Signature
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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.