

# Tatlock & Thomson Ltd

SCIENTIFIC SERVICES

TATLOCK HOUSE  
THE TEUCHATS  
BY LEVEN  
FIFE KY8 5PF

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## CERTIFICATE OF ANALYSIS OF SPIRIT SAMPLE AS RECEIVED

Issued: 11-May-16

Page 1 of 1

Client: Rare Whisky 101 Ltd  
Address: 41 East Port Dunfermline KY12 7LG

Our reference: 16/ 2323

Your reference: **LAPHROAIG 1903 SINGLE MALT SCOTCH WHISKY**

Received: 11-May-16

	mg/l	Method Ref No
phenol:	< 0.1	7.1
guaiacol:	< 0.1	7.1
m/p-cresol:	< 0.1	7.1
o-cresol:	< 0.1	7.1
4-methyl guaiacol:	< 0.1	7.1
4-ethyl phenol:	< 0.1	7.1
4-ethyl guaiacol:	< 0.1	7.1
total phenols:	< 0.1	



Dr Harry Riffkin FRSC

Director

Sampling was not carried out by Tatlock and Thomson

ANALYSIS DATE



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KLTD 8373

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	<u>Per cent</u>	<u>Method</u>
		<u>Ref</u>
Alcohol:	39.7	1.1a
	<u>Grams per 100 litres</u>	
	<u>of alcohol</u>	
Acetaldehyde:	7.0	1.20
Ethyl-acetate:	17.8	1.20
Acetal:	3.2	1.20
Methanol:	6.7	1.20
n-Propanol:	53.1	1.20
iso-Butanol	74.3	1.20
Isoamyl acetate:	0.9	1.20
n-Butanol:	0.5	1.20
Amyl 2:	21.1	1.20
Amyl 3:	47.5	1.20
Total Amyl:	68.6	1.20
Furfural	0.5	1.20

  
Dr Harry Riffkin FRSC

Director

The symbol < indicates the compound was not detected, and the detectable limit is given.  
UKAS accreditation meets the requirements of ISO 17025, however comments, opinions, interpretations, product certification and expiry dates are outside the scope of our UKAS accreditation. Tests and sampling activities marked with # are currently not included in the UKAS accreditation schedule for our laboratory.

ANALYSIS DATE: 11-May-16

EXPIRY DATE: 11-May-17





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S C I E N T I F I C   S E R V I C E S

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Rare Whisky 101 Ltd  
41 East Port  
Dunfermline  
Fife  
KY12 7LG

Date: 11 May 2016

Received: 11 May 2016

## **TEST REPORT FOR OUR REFERENCE 16/2323** **LAPHROAIG 1903 SINGLE MALT SCOTCH WHISKY**

	mg/l	Method Ref
Gallic Acid	0.7	7.3
HMF	18.1	7.3
Furfural	2.4	7.3
5-MF	< 0.2	7.3
Vanillic Acid	< 0.8	7.3
Syringic Acid	< 0.5	7.3
m-Vanillin	0.4	7.3
Syringaldehyde	0.7	7.3
Coniferaldehyde	< 0.3	7.3
Sinapaldehyde	< 0.6	7.3
Ellagic Acid	1.0	7.3



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Your reference: **LAPHROAIG 1903 SINGLE MALT SCOTCH WHISKY**

Received: 11-May-16

	Per cent	Method Ref
Alcohol by volume	39.7	1.1a
Total solids	0.06	1.1a

	Grams per 100 litres of alcohol	
# Ethyl Laurate:	0.4	IH
# Ethyl Mysristate:	<0.1	IH
# Ethyl Palmitate:	<0.1	IH
# Ethyl Palmitoleate:	<0.1	IH

  
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REPORT DATE

EXPIRY DATE:

