

Tatlock & Thomson Ltd

SCIENTIFIC SERVICES

FLTD 8176

THE OLD CORN EXCHANGE
4 HOPE STREET
INVERKEITHING, FIFE
KY11 1LW, SCOTLAND

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CERTIFICATE OF ANALYSIS OF THE SAMPLE AS RECEIVED

Issued: 20-Apr-11

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Client: Old St Andrews Ltd
Address: Unit E1, Chaucer Sevenoaks Kent TN15 6YP
Business Park

Our reference: 11/ 2070

Your reference: **OLD ST. ANDREWS FIRESIDE 12 YEARS MALT WHISKY**

Received: 14-Apr-11

	Per cent	<u>Method</u> <u>Ref</u>
Apparent Strength	40.2	1.1a
Total solids	0.05	1.1a
	<u>Grams per 100 litres</u> <u>of alcohol</u>	
Volatile acidity (as acetic acid)	52.8	1.3
Fixed acidity (as acetic acid)	10.4	1.3
Total acidity (as acetic acid)	63.2	1.3
Esters (as ethyl acetate)	51.9	1.4
Aldehydes (as acetaldehyde)	10.9	1.5
Furfuraldehyde	2.0	1.20
Propyl alcohol	51.3	1.20
Butyl alcohol	80.2	1.20
Amyl alcohol	214.7	1.20
Higher alcohols (total)	346.2	1.20
Methyl alcohol (methanol)	5.5	1.20


Dr. Harry Riffkin FRSC
Director

Mary Riffkin BSc Hons
Quality Manager

The symbol < indicates the compound was not detected, and the detectable limit is given.

UKAS accreditation meets the requirements of ISO 17025, however 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 20-Apr-11

EXPIRY DATE: 19-Apr-12

