

Technical Centre
Glenochil
Menstrie
Clackmannanshire
SCOTLAND
FK11 7ES

Our reference : 22/ 35
Date Issued : 17/01/2022

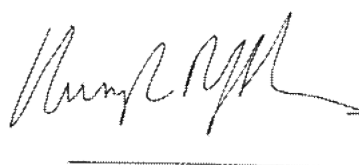
Tel. +44(0)1259 761481
Fax. +44(0)1259 766874.

CERTIFICATE OF ANALYSIS OF SAMPLE AS RECEIVED
for
Johnnie Walker Black Label Blended Scotch Whisky @ 40%

Product category: Blended Scotch Whisky

	<u>Per cent</u>
Alcohol by volume	40.0
Total solids	0.09
	<u>Grams per 100 litres</u>
	<u>of alcohol</u>
Volatile acidity (as acetic acid)	47.9
Fixed acidity (as acetic acid)	13.5
Total acidity (as acetic acid)	61.4
Esters	39.3
Aldehydes	15.8
Furfuraldehyde	0.9
Propyl alcohol	61.2
Butyl alcohol	80.1
Amyl alcohol	102.8
Higher alcohols	244.1
Methyl alcohol (methanol)	7.0

The symbol < indicates the compound was not detected, and the detectable limit is given.
Analysis results are provided by an independent UKAS accredited testing laboratory, no 1725.



Analysis Date: 13-Jan-22
Expiry Date: 13-Jan-23

Dr Harry Riffkin FRSC
Director Tatlock and Thomson Ltd*
Appointed attorney for Diageo Scotland Ltd

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Analysis of sample as received

Johnnie Walker Black Label Blended Scotch Whisky @ 40%

Product category: Blended Scotch Whisky

Alcohol by volume, real strength (%)	40.0
Gay-Lussac (degrees)	39.9

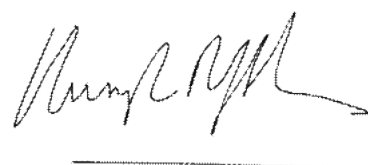
Analysis results are provided by an independent UKAS accredited testing laboratory no 1725.

Comment

CERTIFICATE OF PURITY, HEALTH, HYGIENE AND FREE SALE FOR

Johnnie Walker Black Label Blended Scotch Whisky @ 40%

This is to certify that the above product is manufactured and bottled under modern conditions in premises which are subject to the control of the Public Health Authority and that this product is authorised for distribution in the United Kingdom and is fit for human consumption.



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*Tatlock & Thomson Ltd is an Independent Testing Company