



Rural Payments  
Agency

## RPA Olive Oil Inspection

HCG42c

### Laboratory Analysis Form – If declared as Olive Oil Composed of Refined and Virgin Olive Oils

For completion by the RPA Contracted Laboratory

Type of analysis	Primary <input type="checkbox"/>	Counter <input type="checkbox"/>	Inspection reference number	<input type="text"/>
Lab reference number	<input type="text"/>		Date of bottling (if known)	<input type="text"/>
Date sample received	<input type="text"/>		Date sample opened (chemical analysis)	<input type="text"/>
Date sample opened (organoleptic analysis)	<input type="text"/>		Date by which all tests completed	<input type="text"/>
Was the sample (and associated replicates) received in a box/container with an unbroken seal?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Was the sampled bottle/pack fitted with an opening system that can no longer be sealed after the first time it is opened?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Test type	Method within Regulation 2568/91	Specification limit / requirement* Before 1 March 2014	Specification limit / requirement* From 1 March 2014	Measurement uncertainty (tolerance)	Date of analysis	Result	Outcome	
							Pass	Fail
Fatty acid ethyl esters (FAEEs) mg/kg	Annex XX	Not applicable	Not applicable				<input type="checkbox"/>	<input type="checkbox"/>
Acidity (%)	Annex II	≤ 1.0	≤ 1.0				<input type="checkbox"/>	<input type="checkbox"/>
Peroxide mEq O <sub>2</sub> /kg	Annex III	≤ 15	≤ 15				<input type="checkbox"/>	<input type="checkbox"/>
Waxes (mg/kg)	Annex IV	C40+C42+C44+C46 ≤ 350	C40+C42+C44+C46 ≤ 350				<input type="checkbox"/>	<input type="checkbox"/>
2-glyceril monopalmitate (%)	Annex VII	≤ 0.9 if total palmitic acid % ≤ 14 %. ≤ 1.0 if total palmitic acid % > 14 %	≤ 0.9 if total palmitic acid % ≤ 14 %. ≤ 1.0 if total palmitic acid % > 14 %				<input type="checkbox"/>	<input type="checkbox"/>
Stigmastadienes mg/kg	Annex XVII	Not applicable	Not applicable				<input type="checkbox"/>	<input type="checkbox"/>

	Test type	Method within Regulation 2568/91	Specification limit / requirement* Before 1 March 2014	Specification limit / requirement* From 1 March 2014	Measurement uncertainty (tolerance)	Date of analysis	Result	Outcome	
								Pass	Fail
	Difference ECN42 (HPLC) and ECN42 (theoretical calculation)	Annex XVIII	≤ 0.3	≤  0.3				<input type="checkbox"/>	<input type="checkbox"/>
	K <sub>232</sub>	Annex IX	Not applicable	Not applicable				<input type="checkbox"/>	<input type="checkbox"/>
	K <sub>268</sub> or K <sub>270</sub>	Annex IX	≤ 0.90	≤ 0.90				<input type="checkbox"/>	<input type="checkbox"/>
	Delta K	Annex IX	≤ 0.15	≤ 0.15				<input type="checkbox"/>	<input type="checkbox"/>
	Organoleptic evaluation: Median defect (Md)	Annex XII	Not applicable	Not applicable				<input type="checkbox"/>	<input type="checkbox"/> **
	Organoleptic evaluation: Fruity median (Mf)	Annex XII	Not applicable	Not applicable				<input type="checkbox"/>	<input type="checkbox"/> **
	Volatile halogenated solvents mg/kg	Annex XI	Max' content of each halogenated solvent detected: 0.1 mg/kg. Max' total content of halogenated solvents detected: 0.2 mg/kg	Max' content of each halogenated solvent detected: 0.1 mg/kg. Max' total content of halogenated solvents detected: 0.2 mg/kg				<input type="checkbox"/>	<input type="checkbox"/>
	Extraneous vegetable oils	Annex XXa	Absent	Absent				<input type="checkbox"/>	<input type="checkbox"/>
Fatty acid composition	Myristic (%)	Annex XA & XB	≤ 0.05	≤ 0.03				<input type="checkbox"/>	<input type="checkbox"/>
	Linolenic (%)		≤ 1.0	≤ 1.00				<input type="checkbox"/>	<input type="checkbox"/>
	Arachidic (%)		≤ 0.60	≤ 0.60				<input type="checkbox"/>	<input type="checkbox"/>
	Eicosenoic (%)		≤ 0.40	≤ 0.40				<input type="checkbox"/>	<input type="checkbox"/>
	Behenic (%)		≤ 0.20	≤ 0.20				<input type="checkbox"/>	<input type="checkbox"/>
	Lignoceric (%)		≤ 0.20	≤ 0.20				<input type="checkbox"/>	<input type="checkbox"/>
	Total transoleic isomers (%)		≤ 0.20	≤ 0.2				<input type="checkbox"/>	<input type="checkbox"/>
	Total translinoleic + translinolenic isomers (%)		≤ 0.30	≤ 0.3				<input type="checkbox"/>	<input type="checkbox"/>
Sterols composition	Cholesterol (%)	Annex V	≤ 0.5	≤ 0.5				<input type="checkbox"/>	<input type="checkbox"/>
	Brassicasterol (%)		≤ 0.1	≤ 0.1				<input type="checkbox"/>	<input type="checkbox"/>
	Campesterol (%)		≤ 4.0	≤ 4.0				<input type="checkbox"/>	<input type="checkbox"/>
	Stigmasterol(%)		< Campesterol	< Campesterol				<input type="checkbox"/>	<input type="checkbox"/>
	App B-sitosterol (%)		≥ 93.0	≥ 93.0				<input type="checkbox"/>	<input type="checkbox"/>
	Delta-7-stigmastenol (%)		≤ 0.5	≤ 0.5				<input type="checkbox"/>	<input type="checkbox"/>
	Total sterols (mg/kg)		≥ 1 000	≥ 1 000				<input type="checkbox"/>	<input type="checkbox"/>
	Erythrodiol and uvaol (%)		≤ 4.5	≤ 4.5				<input type="checkbox"/>	<input type="checkbox"/>

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								Pass	Fail
Additional tests if required	Aliphatic alcohol content mg/kg	Annex XIX						<input type="checkbox"/>	<input type="checkbox"/>
	Olive oil residue %	Annex XV						<input type="checkbox"/>	<input type="checkbox"/>
	Iodine value	Annex XVI						<input type="checkbox"/>	<input type="checkbox"/>

## Conclusions

Oil type declared by trader: 'Olive Oil Composed of Refined and Virgin Olive Oils'

The conformity check is compliant/non-compliant

If not compliant, please explain why

Compliant ☐

Non-compliant ☐

Signed

Name (BLOCK CAPITALS)

Date

Laboratory Stamp

\* For full details please refer to Commission Regulation (EEC) 2568/91 as amended.

\*\* Attach taste panel results if 'fail'. Organoleptic analysis not applicable for 'chemical' counter-analysis.