

Changes to legislation: There are outstanding changes not yet made to Commission Delegated Regulation (EU) No 639/2014. Any changes that have already been made to the legislation appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

[^{F1}ANNEX III

Union method for the quantitative determination of the $\Delta 9$ -tetrahydrocannabinol content in hemp varieties

Textual Amendments

F1 Inserted by Commission Delegated Regulation (EU) 2017/1155 of 15 February 2017 amending Delegated Regulation (EU) No 639/2014 as regards the control measures relating to the cultivation of hemp, certain provisions on the greening payment, the payment for young farmers in control of a legal person, the calculation of the per unit amount in the framework of voluntary coupled support, the fractions of payment entitlements and certain notification requirements relating to the single area payment scheme and the voluntary coupled support, and amending Annex X to Regulation (EU) No 1307/2013 of the European Parliament and of the Council.

3. Determination of THC content

3.1. Preparation of the test sample

Stems and seeds over 2 mm in size shall be removed from the dried samples.

The dried samples shall be grinded to obtain a semi-fine powder (passing through a 1 mm mesh sieve).

The powder may be stored for 10 weeks at below 25 °C in a dark, dry place.

3.2. Reagents and extraction solution

Reagents

- $\Delta 9$ -tetrahydrocannabinol, pure for chromatographic purposes,
- squalane, pure for chromatographic purposes, as an internal standard.

Extraction solution

- 35 mg of squalane per 100 ml hexane.

3.3. Extraction of THC

100 mg of the powdered test sample shall be weighed, be placed in a centrifuge tube and 5 ml of extraction solution shall be added containing the internal standard.

The sample shall be placed in an ultrasound bath and be left for 20 minutes. It shall be centrifuged for 5 minutes at 3 000 r.p.m. and then the supernatant THC solution shall be removed. The solution shall be injected into the chromatograph and a quantitative analysis shall be carried out.

3.4. Gas chromatography

(a) Apparatus

- gas chromatograph with a flame ionisation detector and a split/splitless injector,
- column allowing good separation of cannabinoids, for example a glass capillary column 25 m long and 0,22 mm in diameter impregnated with a 5 % non-polar phenyl-methyl-siloxane phase.

(b) Calibration ranges

At least three points for procedure A and five points for procedure B, including points 0,04 and 0,50 mg/ml THC in extraction solution.

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(c) Experimental conditions

The following conditions are given as an example for the column referred to in (a):

- oven temperature 260 °C,
- injector temperature 300 °C,
- detector temperature 300 °C.

(d) Volume injected: 1 µL.]

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Changes and effects yet to be applied to :

- Regulation coming into force by [2020 c. 2 s. 14](#) (Regulation as it has effect for the claim year 2020 brought into domestic law on exit day by virtue of Direct Payments to Farmers (Legislative Continuity) Act 2020 (c. 2), ss. 1, 4, 9(3))

Changes and effects yet to be applied to the whole legislation item and associated provisions

- Annex 1 omitted by [S.I. 2019/208 reg. 10](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Annex 1 omitted by [S.I. 2020/91 reg. 16](#)
- Art. 1(c) omitted by [S.I. 2019/208 reg. 4\(1\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 1(c) omitted by [S.I. 2020/91 reg. 10\(1\)](#)
- art. 1(d) omitted by [S.R. 2021/42 reg. 5\(2\)](#)
- Art. 1(d) omitted by [S.I. 2020/1387 reg. 6\(2\)](#)
- Art. 1(d) omitted by [S.I. 2020/1556 reg. 8\(2\)](#)
- Art. 1(f) omitted by [S.I. 2020/1513 reg. 3\(2\)](#)
- Art. 1(g) omitted by [S.I. 2019/208 reg. 4\(1\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 1(g) omitted by [S.I. 2020/91 reg. 10\(1\)](#)
- Art. 1(h) omitted by [S.I. 2019/208 reg. 4\(1\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 1(h) omitted by [S.I. 2020/91 reg. 10\(1\)](#)
- Annex 2 omitted by [S.R. 2021/42 reg. 5\(4\)](#)
- Annex 2 omitted by [S.I. 2020/1387 reg. 6\(4\)](#)
- Annex 2 omitted by [S.I. 2020/1556 reg. 8\(12\)](#)
- Annex 3 title word omitted by [S.I. 2019/208 reg. 11\(a\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Annex 3 title word omitted by [S.I. 2020/91 reg. 17\(a\)](#)
- Annex 3 para. 2.1.1 words substituted by [S.I. 2019/208 reg. 11\(b\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Annex 3 para. 2.2 words substituted by [S.I. 2019/208 reg. 11\(c\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Annex 3 para. 2.1.1 words substituted by [S.I. 2020/91 reg. 17\(b\)](#)
- Annex 3 para. 2.2 words substituted by [S.I. 2020/91 reg. 17\(c\)](#)
- Annex 4 inserted by [S.I. 2019/208 reg. 12](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Annex 4 inserted by [S.I. 2020/91 reg. 18](#)
- Art. 4(1)(a) words substituted by [S.I. 2019/208 reg. 4\(3\)\(a\)\(ii\)\(aa\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))

- Art. 4(1)(a) words substituted by [S.I. 2019/208 reg. 4\(3\)\(a\)\(ii\)\(bb\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 4(1)(a) words substituted by [S.I. 2020/91 reg. 10\(4\)\(a\)\(ii\)\(aa\)](#)
- Art. 4(1)(a) words substituted by [S.I. 2020/91 reg. 10\(4\)\(a\)\(ii\)\(bb\)](#)
- Art. 4(1)(b) words substituted by [S.I. 2019/208 reg. 4\(3\)\(a\)\(iii\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 4(1)(b) words substituted by [S.I. 2020/91 reg. 10\(4\)\(a\)\(iii\)](#)
- Art. 13(2)(b) omitted by [S.I. 2019/208 reg. 4\(10\)\(b\)\(i\)\(cc\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 13(2)(b) omitted by [S.I. 2020/91 reg. 10\(11\)\(b\)\(i\)\(cc\)](#)
- Art. 41(f) omitted by [S.I. 2019/208 reg. 6\(4\)\(a\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 41(f) omitted by [S.I. 2020/91 reg. 12\(3\)\(b\)](#)
- Art. 44(2)(b) words omitted by [S.I. 2020/91 reg. 12\(6\)\(b\)\(ii\)\(bb\)](#)
- Art. 45(12) inserted by [S.S.I. 2022/279 reg. 3\(2\)\(b\)](#)
- Art. 49(1)(a) words omitted by [S.I. 2019/208 reg. 7\(a\)\(i\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 49(1)(a) words omitted by [S.I. 2020/91 reg. 13\(a\)\(i\)](#)
- Art. 49(1)(b) words omitted by [S.I. 2020/576 reg. 4\(3\)](#)
- Art. 49(1)(c) words substituted by [S.I. 2019/208 reg. 7\(a\)\(ii\)\(aa\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 49(1)(c) words substituted by [S.I. 2019/208 reg. 7\(a\)\(ii\)\(bb\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 49(1)(c) words substituted by [S.I. 2020/91 reg. 13\(a\)\(ii\)\(aa\)](#)
- Art. 49(1)(c) words substituted by [S.I. 2020/91 reg. 13\(a\)\(ii\)\(bb\)](#)
- Art. 49(3)(a) word omitted by [S.I. 2020/1556 reg. 8\(9\)](#)
- Art. 49(3)(a) words substituted by [S.I. 2019/208 reg. 7\(c\)\(i\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 49(3)(a) words substituted by [S.I. 2020/91 reg. 13\(c\)\(i\)](#)
- Art. 49(3)(b) words omitted by [S.I. 2019/208 reg. 7\(c\)\(ii\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 49(3)(b) words omitted by [S.I. 2020/91 reg. 13\(c\)\(ii\)](#)
- Art. 53(2)(a) words inserted by [S.I. 2020/576 reg. 4\(4\)](#)
- Art. 53(2)(a) words inserted by [S.I. 2020/1556 reg. 8\(10\)](#)
- Art. 53(2)(b) words inserted by [S.I. 2020/576 reg. 4\(4\)](#)
- Art. 53(2)(b) words inserted by [S.I. 2020/1556 reg. 8\(10\)](#)
- Art. 54(2)(a) word omitted by [S.I. 2019/208 reg. 8\(4\)\(b\)\(ii\)](#) (This effect not applied - S.I. 2019/208 revoked immediately before IP Completion day by virtue of S.I. 2020/1445, regs. 1(2)(b), 24(b))
- Art. 54(2)(a) word omitted by [S.I. 2020/91 reg. 14\(4\)\(b\)\(ii\)](#)