

C73 RESIDUAL SOLVENTS IN HEMP OIL

1.0 Sample Reception

- 1.1 This PT is provided as four different spiking solution, C73-1a, C73-1b, C73-2a and C73-2b. C73-1a and C73-2a contain the butanes and propanes in N,N-Dimethylacetamide. The other two ampoules contain the other analytes in Glyceryl Triacetate. In addition to these flame sealed ampoules, approximately 5 g of volatile free hemp oil is provided as the base matrix to receive the spikes.
- 1.2 Upon receipt samples are to be checked for deficiencies. The flame sealed ampoules containing the spiking concentrates should be stored at 4°C, the Base Oil Matrix can be stored at room temperature.
- 1.3 Inquiries regarding samples and their shipment may be directed to:

Phenova

Tel: (303) 940-0033

Email: AndreaLg@phenova.com

PT Canada

Tel: (613) 233-5464

Email: programofficer@ptcanada.org

Email: nlewis@ptcanada.org

Inquiries should be made by email. When reporting damage upon receipt, please provide a picture of the damaged samples. Please include your PT Canada laboratory number on all correspondence.

2.0 General Information

- 2.1 Due to the volatile nature of propane and butanes (C73-1a and C73-2a), please limit the time the ampoule is open to air and warm temperatures prior to use. Once the ampoule is cracked, it is suggested that the spiking solution be immediately transferred to an appropriate gastight storage vial and stored at freezer temperatures for potential future use.
- 2.2 The solvent matrix for the other target analytes is Glyceryl Triacetate. Glyceryl Triacetate is a relatively viscous solvent and is best handled at room temperature. Care should be taken when an aliquot is removed using a gastight syringe to ensure accuracy of measurement. Once the ampoule is cracked, it is suggested that the spiking solution be immediately transferred to an appropriate gastight storage vial and stored at freezer temperatures for potential future use.
- 2.3 It is suggested that the Propane/Butanes spike be performed and analyzed separately from the Glyceryl Triacetate spiking solution containing the other target analytes. N,N-Dimethylacetamide can interfere with the analysis of other target analytes existing in the Triacetin spike solution.

3.0 Sample Preparation

- 3.1 Warm the flame sealed ampoules to room temperature.
- 3.2 Open the hemp oil vial and weigh out 20.0 milligrams of the oil base matrix into four headspace vials.
- 3.3 Carefully open the flame sealed ampoule labeled C73-1a, and using a gastight syringe, spike exactly 5uL of the spiking solution onto the 20.0 milligram oil matrix in one of the

headspace vials and immediately cap/seal the vial. Repeat this process for C73-1b, C73-2a and C73-2b, using a different hemp oil containing headspace vial for each.

- 3.4 The samples are now ready to analyze as per your normal procedures. It is suggested the sample be immediately included in an analytical run after spiking.
- 3.5 Approximate sample concentrations are detailed in the PTC Catalogue.

4.0 Sample Analysis

- 4.1 Refer to the PTC Catalogue for approximate sample concentrations.
- 4.2 Proceed with testing using your routine analytical method.

5.0 Reporting Results

- 5.1 Results must be reported by midnight of the study deadline in the PTC portal.
- 5.2 For this PT assume 0% moisture, no dry weight adjustment is necessary when reporting results.
- 5.3 Results are to be reported as µg/g.
- 5.4 If the analyte is non-detect, please report it as <### (e.g., <100).

5.0 Safety

- 5.1 The PT samples are designed for use by laboratory professionals familiar with cannabis samples and potentially hazardous materials.