



STATE OF RHODE ISLAND
DEPARTMENT OF BUSINESS REGULATION
Office of Cannabis Regulation
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**Residual Solvent Testing and Metrc Workflows for Concentrates/Extracts/Resins
for Compliance Testing Purposes
Issue Date 1-23-2023**

Metrc Workflows for Compliance Testing

In preparation for enforced Residual Solvents Testing, OCR is releasing this guidance document to ensure all licensees and testing facilities are following the correct testing workflows in Metrc for concentrates/extracts/resins produced using solvents and those produced not using solvents.

In Metrc there are two options for you to select when requesting compliance testing.

Option #1: Non-Solvent Concentrate

- You would select this for testing if you **did not** use a solvent as listed below and residual solvent testing will not be required.
- CO2 is not listed below and products produced exclusively with CO2 should follow this option for the purposes of enforced compliance testing.

Option #2: Solvent Based Concentrate/Extract

- You would select this for testing if you **did** use a solvent as listed below and residual solvents testing is required.

The testing facility shall upload all results for the correct testing category requested.

[Residual Solvent Compliance Testing pursuant to 216-RICR-60-05-6](#)

Pursuant to Section 6.4(ZZ) "Residual solvent" means a volatile organic chemical used in the manufacture of a medical marijuana product and that is not completely removed by practical manufacturing techniques.

Pursuant to Section 6.21(H)(1) Finished medical marijuana extracts, resins and concentrates must be tested for residual solvents when solvents have been used in the production process.

Solvents include:

Acetone	Carbon tetrachloride **	1,2- Dimethoxyethane	N,NDimethylformamide
Acetonitrile	Cumene	1,2- Dimethylbenzene	Dimethyl sulfoxide
Benzene **	Cyclohexane	1,3- Dimethylbenzene	1,4-Dioxane
Butane	1,2-Dichlorethane**	1,4- Dimethylbenzene	Ethanol
1-Butanol	1,1- Dichloroethene**	2,2-Dimethylbutane	2-Ethoxyethanol
2-Butanol	1,2-Dichloroethene	2,3-Dimethylbutane	Ethyl acetate
2-Butanone	Dichloromethane	N,NDimethylacetamide	Ethylbenzene

Ethylene glycol	Isobutane	Methylethylketon e	2-Methylpentane
Ethylene oxide	Isopropyl acetate	Methylisobutylket one	3-Methylpentane
Ethyl ether	Methanol	Methylpropane	NMethylpyrrolidon e
Heptane	Methylbutylketon e	2-Methyl-1- propanol	Nitromethane
Hexane	Methylcyclohexa ne	2-Methylbutane	Pentane
1-Pentanol	Propyl acetate	Tetralin	Xylene
1-Propanol	Pyridine	Toluene	1,1,2- Trichloroethylene
2-Propanol	Sulfolane	1,1,1- Trichloroethane **	
Propane	Tetrahydrofuran	1,1,2- Trichloroethylene	

** Class 1 solvents provided by USP Chapter may not be used in the production of any medical marijuana product.

Analytical laboratories are required to test for the residual solvents listed in § 6.21(H)(3) of this Part (Table 5) unless it can document that no solvents were used in the cannabis oil production process.

Please ensure you are completely up to date with the testing requirements pursuant to [216-RICR-60-05-6](#).

Enforced Residual Testing dates will be communicated out as soon as possible.

For any additional questions, please contact the DBR.MMPCompliance@dbr.ri.gov.

The Office of Cannabis Regulation