## APPROVED REGULATION OF THE

## STATE BOARD OF PHARMACY

## **LCB File No. R080-15**

Effective October 31, 2017

EXPLANATION - Matter in *italics* is new; matter in brackets [omitted material] is material to be omitted.

AUTHORITY: §1, NRS 453.146, 453.2182 and 639.070.

A REGULATION relating to controlled substances; revising the controlled substances listed in schedule I; and providing other matters properly relating thereto.

## **Legislative Counsel's Digest:**

Existing law authorizes the State Board of Pharmacy to adopt regulations to add, delete or reschedule substances listed as controlled substances in schedules I, II, III, IV and V of the Uniform Controlled Substances Act. (NRS 453.146) Existing law also provides that if a substance is designated, rescheduled or deleted as a controlled substance pursuant to federal law, the Board is required, with certain limited exceptions, to similarly treat the substance under the Uniform Controlled Substances Act. (NRS 453.2182) The Drug Enforcement Administration of the United States Department of Justice has temporarily added acetyl fentanyl, a synthetic opioid, and certain synthetic cannabinoids to the list of controlled substances in schedule I of the federal Controlled Substances Act. The Drug Enforcement Administration has also permanently added pentylone, a hallucinogenic substance, and certain synthetic opioids and cannabinoids to the list of controlled substances in schedule I of the federal Controlled Substances Act. (21 C.F.R. § 1308.11) This regulation brings the treatment of those substances into conformity with federal regulations by adding the substances to the list of controlled substances in schedule I of the Uniform Controlled Substances Act. This regulation also revises the list of trade names for dimethyltryptamine, a substance listed in schedule I of the Uniform Controlled Substances Act.

Existing law defines the term "CBD" to mean cannabidiol, which is a primary phytocannabinoid compound found in marijuana. (NRS 453.033) This regulation adds CBD to the list of controlled substances in schedule I of the Uniform Controlled Substances Act.

**Section 1.** NAC 453.510 is hereby amended to read as follows:

453.510 1. Schedule I consists of the drugs and other substances listed in this section by whatever official, common, usual, chemical or trade name designated.

2. Unless specifically excepted or unless listed in another schedule, any of the following opiates, including, without limitation, their isomers, esters, ethers, salts and salts of isomers, esters and ethers, whenever the existence of such isomers, esters, ethers and salts is possible within the specific chemical designation:

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Acetyl-alpha-methylfentanyl (N-[1-(1-methyl-2-phenethyl)-4-piperidinyl]-N-phenylacetamide);
Acetylmethadol;
Allylprodine;
Alphacetylmethadol (except levo-alphacetylmethadol, commonly referred to as levo-alphaacetylmethadol, levomethadyl acetate or "LAAM");
Alphameprodine;
Alphamethylfentanyl (N-[1-(alpha-methyl-beta-phenyl)ethyl-4-piperidyl] propionanilide;
1-(1-methyl-2-phenylethyl)-4-(N-propanilido) piperidine);
Alpha-methylthiofentanyl (N-[1-methyl-2-(2-thienyl)ethyl-4-piperidinyl]-N-phenylpropanamide);
Benzethidine;
Betacetylmethadol;
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Beta-hydroxy-3-methylfentanyl (other name: N-[1-(2-hydroxy-2-phenethyl)-3-methyl-4-piperidinyl]-N-phenylpropanamide);

Beta-hydroxyfentanyl (N-[1-(2-hydroxy-2-phenethyl)-4-piperidinyl]-N-

phenylpropanamide);

Beta-hydroxythiofentanyl (trade or other names: N-[1-[2-hydroxy-2-(thiophen-2-
yl) ethyl] piperidin-4-yl]-N-phenyl propionamide; N-[1-[2-hydroxy-2-(2-thienyl)ethyl]
4-piperidinyl]-N-phenylpropanamide);
Betameprodine;
Betamethadol;
Betaprodine;
Butyryl fentanyl (trade or other names: N-(1-phenethylpiperidin-4-yl)-N-
phenylbuty ramide; N-(1-phenethylpiperidin-4-yl)-N-phenylbutan amide);
Clonitazene;
Dextromoramide;
Diampromide;
Diethylthiambutene;
Difenoxin;
Dimenoxadol;
Dimepheptanol;
Dimethylthiambutene;
Dioxaphetyl butyrate;
Dipipanone;
Ethylmethylthiambutene;
Etonitazene;
Etoxeridine;
Furethidine;
Hydroxypethidine;

Ketobemidone;
Levomoramide;
Levophenacylmorphan;
3-Methylfentanyl (N-[3-methyl-1-(2-phenylethyl)-4-piperidyl]-N-phenylpropanamide);
3-Methylthiofentanyl (N-[(3-methyl-1-(2-thienyl)ethyl-4-piperidinyl]-N-
phenylpropanamide);
Morpheridine;
MPPP (1-methyl-4-phenyl-4-propionoxypiperidine);
Noracymethadol;
Norlevorphanol;
Normethadone;
Norpipanone;
Para-fluorofentanyl (N-(4-fluorophenyl)-N-[1-(2-phenethyl)-4-piperidinyl]propanamide);
PEPAP (1-(-2-phenethyl)-4-phenyl-4-acetoxypiperidine);
Phenadoxone;
Phenampromide;
Phenomorphan;
Phenoperidine;
Piritramide;
Proheptazine;
Properidine;
Propiram;
Racemoramide;

Thiofentanyl (N-phenyl-N-[1-(2-thienyl)ethyl-4-piperidinyl]-propanamide);
Tilidine; or
Trimeperidine.
3. Unless specifically excepted or unless listed in another schedule, any of the following
opium derivatives, including, without limitation, their salts, isomers and salts of isomers,
whenever the existence of such salts, isomers and salts of isomers is possible within the specific
chemical designation:
Acetorphine;
Acetyl fentanyl;
Acetyldihydrocodeine;
Benzylmorphine;
Codeine methylbromide;
Codeine-N-Oxide;
Cyprenorphine;
Desomorphine;
Dihydromorphine;
Drotebanol;
Etorphine (except hydrochloride salt);
Heroin;
Hydromorphinol;
Methyldesorphine;

Methyldihydromorphine;
Morphine methylbromide;
Morphine methylsulfonate;
Morphine-N-Oxide;
Myrophine;
Nicocodeine;
Nicomorphine;
Normorphine;
Pholcodine; or
Thebacon.
4. Unless specifically excepted or unless listed in another schedule, any material,
compound, mixture or preparation which contains any quantity of the following hallucinogenic
substances, including, without limitation, their salts, isomers and salts of isomers, whenever the
existence of such salts, isomers and salts of isomers is possible within the specific chemical
designation:
Alpha-ethyltryptamine (some trade or other names: ET, Trip);
Alpha-methyltryptamine (some trade or other names: AMT);
[N-(1S)-1-(aminocarbonyl)-2-methylpropyl-1-(cyclohexylmethyl)-1H-indazole-3-
carboxamide (some trade or other names: AB-CHMINACA):1

- 1,4-Butanediol (some trade or other names: 1,4-butyleneglycol, dihydroxybutane, tetramethylene glycol, butane 1,4-diol, SomatoPro, Soma Solutions, Zen);
- 4-bromo-2,5-dimethoxyamphetamine (some trade or other names: 4-bromo-2,5-dimethoxy-alpha-methylphenethylamine; 4-bromo-2,5-DMA);
- 4-bromo-2,5-dimethoxyphenethylamine (some trade or other names: Nexus, 2C-B);
- 1-Butyl-3-(1-naphthoyl)indole-7173 (some trade or other names: JWH-073);
- 2-(4-Chloro-2,5-dimethoxyphenyl)ethanamine (some trade or other names: 2C-C);
- 1-cyclohexylethyl-3-(2-methoxyphenylacetyl)indole (some trade or other names: SR-18; BTM-8; RCS-8);
- 2,5-dimethoxyamphetamine (some trade or other names: 2,5-dimethoxy-alphamethylphenethylamine; 2,5-DMA);
- 2,5-dimethoxy-4-ethylamphet-amine (some trade or other names: DOET);
- 2-(2,5-Dimethoxy-4-ethylphenyl)ethanamine (some trade or other names: 2C-E);

- 2-(2,5-Dimethoxy-4-methylphenyl)ethanamine (some trade or other names: 2C-D);
- 2-(2,5-Dimethoxy-4-nitro-phenyl)ethanamine (some trade or other names: 2C-N);
- 2,5-Dimethoxy-N-(2-methoxybenzyl) phenethylamine (NBOMe) and any derivative thereof (some trade or other names: 2C-X-NBOMe; N-benzylated phenethylamines; No-methoxybenzyl analogs; NBOMe; 25H-NBOMe; 25B-NBOMe; 25C-NBOMe; 25D-NBOMe; 25E-NBOMe; 25I-NBOMe; 25N-NBOMe; 25P-NBOMe; 25T2-NBOMe; 25T4-NBOMe; 25T7-NBOMe);
- 2-(2,5-Dimethoxy-4-(n)-propylphenyl)ethanamine (some trade or other names: 2C-P);
- 2,5-dimethoxy-4-(n)-propylthiophenethylamine (some trade or other names: 2C-T-7);
- 2-(2,5-Dimethoxyphenyl)ethanamine (some trade or other names: 2C-H);
- 3-[(2-Dimethylamino)ethyl]-1H-indol-4-yl acetate (some trade or other names: 4-acetoxy-N, N-dimethyltryptamine;4-AcO-DMT; psilacetin; O-acetylpsilocin; 4-acetoxy-DMT);
- 5-(1,1-Dimethylheptyl)-2-[(1R,3S)-3-hydroxycyclohexyl]-phenol-7297 (some trade or other names: CP-47,497);

- 5-(1,1-Dimethyloctyl)-2-[(1R,3S)-3-hydroxycyclohexyl]-phenol-7298 (some trade or other names: cannabicyclohexanol; CP-47,497 C8 homologue);
- 4-ethylnaphthalen-1-yl-(1-pentylindol-3-yl)methanone (some trade or other names: (4-ethyl-1-naphthalenyl)(1-pentyl-1H-indol-3-yl)-methanone; JWH-210);
- 2-[4-(Ethylthio)-2,5-dimethoxyphenyl]ethanamine (some trade or other names: 2C-T-2);
- [1-(5-fluoropentyl)-1H-indazol-3-yl](naphthalen-1-yl)methanone (some trade or other names: THJ-2201; 5-fluoro THJ 018; AM2201 indazole analog; fluorpentyl JWH 018 indazole);
- [1-(5-fluoropentyl)-1H-indol-3-yl]-1-naphthalenyl-methanone (some trade or other names: 1-(5-fluoropentyl)-3-(1-naphthoyl)indole; AM-2201);
- [1-(5-fluoropentyl)-1H-indol-3-yl]-(2-iodophyenyl)-methanone (some trade or other names: 1-(5-fluoropentyl)-3-(2-iodobenzoyl)indole; AM-694);
- (1-(5-fluoropentyl)-1H-indol-3-yl)(2,2,3,3-tetramethylcyclopropyl)methanone (some trade or other names: XLR-11);
- 1-(5-fluoropentyl)-N-(tricyclo[3.3.1.13,7]dec-1-yl)-1H-indazole-3-carboxamide (some trade or other names: N-((3s,5s,7s)-adamantan-1-yl)-1-(5-fluoropentyl)-1H-indazole-3-

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carboxamide; APINACA 5-fluoropentyl analog; 5F-AKB48; 5-Fluoro-AKB48; 5F-APINACA; 5-Fluoro-APINACA;
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- 1-(5-fluoropentyl)-8-quinolinyl ester-1H-indole-3-carboxylic acid (some trade or other names: 1-(5-fluoropentyl)-1H-indole-3-carboxylic acid 8-quinolinyl ester; 5-Fluoro-PB-22; 5F-PB-22);
- 2-(4-Iodo-2,5-dimethoxyphenyl)ethanamine (some trade or other names: 2C-I);
- 2-[4-(Isopropylthio)-2,5-dimethoxyphenyl]ethanamine (some trade or other names: 2C-T-4);
- 1-hexyl-3-(1-naphthoyl)indole (some trade or other names: JWH-019);
- 4-methoxyamphetamine (some trade or other names: 4-methoxy-alphamethylphenethylamine; para-methoxyamphetamine; PMA);
- (4-methoxy-1-naphthalenyl)(1-pentyl-1H-indol-3-yl)-methanone (some trade or other names: JWH-081);
- 5-methoxy-3,4-methylenedioxyamphetamine;
- 5-methoxy-N, N-diisopropyltryptamine (some trade or other names: 5-meO-DIPT);

- 4-methyl-2,5-dimethoxyamphetamine (some trade or other names: 4-methyl-2,5-dimethoxy-alpha-methylphenethylamine; "DOM"; "STP");
- (4-methyl-1-naphthalenyl)(1-pentyl-1H-indol-3-yl)-methanone (some trade or other names: JWH-122);
- 3,4-methylenedioxyamphetamine;
- 3,4-methylenedioxymethamphetamine (MDMA);
- 3,4-methylenedioxy-N-ethylamphetamine (commonly referred to as N-ethyl-alpha-methyl-3,4(methylenedioxy) phenethylamine, N-ethyl MDA, MDE, MDEA);
- 1-[2-(4-Morpholinyl)ethyl]-3-(1-naphthoyl)indole-7200 (some trade or other names: JWH-200);
- N-(1-adamantyl)-1-pentyl-1H-indazole-3-carboxamide (some trade or other names: 1-pentyl-N-tricyclo[3.3.1.13,7]dec-1-yl-1H-indazole-3-carboxamide; APINACA; AKB48);
- N-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-(cyclohexylmethyl)-1H-indazole-3-carboxamide (trade or other names: ADB-CHMINACA; MAB-CHMINACA);

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N-(1-amino-3,3-dimethyl-1-oxobutan-2-yl)-1-pentyl-1H-indazole-3-carboxamide (trade or other name: ADB-PINACA);
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N-(1-amino-3-methyl-1-oxobutan-2-yl)-1-pentyl-1H-indazole-3-carboxamide (some trade or other names: AB-PINACA);

N-(1-amino-3-methyl-1-oxobutan-2-yl)-1-(4-fluorobenzyl)-1H-indazole-3-carboxamide (trade or other name: AB-FUBINACA);

N-[(1S)-1-(aminocarbonyl)-2-methylpropyl]-1-(cyclohexylmethyl)-1H-indazole-3-carboxamide (trade or other name: AB-CHMINACA);

N-hydroxy-3,4-methylenedioxyamphetamine (commonly referred to as N-hydroxy-alphamethyl-3,4(methylenedioxy) phenethylamine, N-hydroxy MDA);

2-(2-methoxyphenyl)-1-(1-pentylindol-3-yl)ethanone (some trade or other names: 1-(1-pentyl-1H-indol-3-yl)-2-(2-methoxyphenyl)-ethanone; 1-pentyl-3-(2-methoxyphenylacetyl)indole; JWH-250);

1-Pentyl-3-(2-chlorophenylacetyl)indole (some trade or other names: JWH-203);

1-Pentyl-3-(4-cholor-1-naphthoyl)indole (some trade or other names: JWH-398);

- 1-Pentyl-3-[(4-methoxy)-benzoyl]indole (some trade or other names: SR-19; BTM-4; RCS-4);
- 1-Pentyl-3-(1-naphthoyl)indole-7118 (some trade or other names: JWH-018; AM678);
- (1-pentylindol-3-yl)-(2,2,3,3-tetramethylcyclopropyl)methanone (some trade or other names: UR-144);
- 1-pentyl-N-(tricyclo[3.3.1.1<sup>3,7</sup>]dec-1-yl-1H-indole-3 carboxamide (some trade or other names: APICA; JWH-018 adamantyl carboxamide; 2NE1; SDB-001);
- 1-pentyl-8-quinolinyl ester-1H-indole-3-carboxylic acid (some trade or other names: 1-pentyl-1H-indole-3-carboxylic acid 8-quinolinyl ester; PB-22; QUPIC);
- 3,4,5-trimethoxyamphetamine;
- Bufotenine (some trade or other names: 3-(beta-dimethylaminoethyl)-5-hydroxyindole; 3-(2-dimethyl-aminoethyl)-5-indolol; N, N-dimethylserotonin; 5-hydroxy-N, N-dimethyltryptamine; mappine);

Diethyltryptamine (some trade or other names: DET; N,N-Diethyltryptamine);

Dimetryltryptamine (some trade or other names: DMT $\frac{1}{1}$ ; $N,N-DMT$ ; $N,N-DMT$ ; $N,N-DMT$ )
Dimethyltryptamine);
Fluorophenylpiperazine (some trade or other names: FPP, pFPP, 2-fluorophenylpiperazine
3-fluorophenylpiperazine, 4-fluorophenylpiperazine);
Gamma butyrolactone (some trade or other names: GBL, Gamma Buty Lactone, 4-
butyrolactone, dihydro-2(3H)-furanone, tetrahydro-2-furanone, Gamma G, GH Gold);
Gamma hydroxy butyric acid (some trade or other names: GHB);
Ibogaine (some trade or other names: 7-ethyl-6, 6 beta, 7, 8, 9, 10, 12, 13-octahydro-2-
methoxy-6, 9-methano-5H-pyrido (1',2':1,2) azepino (5,4-b) indole; Tabernanthe
iboga);
Lysergic acid diethylamide;
Marijuana;
Mescaline;
Methoxyphenylpiperazine (some trade or other names: MeOPP, pMPP, 4-MPP, 2-MeOPP, 3-MeOPP, 4-MeOPP);

Parahexyl (some trade or other names: 3-Hexyl-1-hydroxy-7, 8, 9, 10-tetrahydro-6,6,9-trimethyl-6H-dibenzo[b,d]pyran; Synhexyl);

Peyote (meaning all parts of the plant presently classified botanically as *Lophophora* williamsii Lemaire, whether growing or not, the seeds thereof, any extract from any part of such plant, and every compound, manufacture, salts, derivative, mixture, or preparation of such plant, its seeds or extracts);

N-benzylpiperazine (some trade or other names: BZP, 1-benzylpiperazine);

N-ethyl-3-piperidyl benzilate;

N-methyl-3-piperidyl benzilate;

Psilocybin;

Psilocin;

Salvinorin A (some trade or other names: Divinorin A; Methyl (2S,4aR,6aR,7R,9S,10aS,10bR)-9-(acetyloxy)-2-(furan-3-yl)-6a,10b-dimethyl-4,10-dioxododecahydro-2H-benzo[f]isochromene-7-carboxylate);

Ethylamine analog of phencyclidine (some trade or other names: N-ethyl-1-phenylcyclohexylamine; (1-phenylcyclohexyl) ethylamine; N-(1-phenylcyclohexyl) ethylamine; cyclohexamine; PCE);

Pyrrolidine analog of phencyclidine (some trade or other names: 1-(1-phenylcyclohexyl)-pyrrolidine; PCPy; PHP);

1-(1-(2-thienyl)-cyclohexyl)-pyrrolidine (some trade or other names: TCPy);

Thiophene analog of phencyclidine (some trade or other names: 1-(1-(2-thienyl)-cyclohexyl)-piperidine; 2-thienyl analog of phencyclidine; TPCP; TCP); or

Trifluoromethylphenylpiperazine (some trade or other names: 1-(3-trifluoromethylphenyl)piperazine; 3-trifluoromethylphenylpiperazine; TFMPP).

For the purposes of this subsection, "isomer" includes, without limitation, the optical, position or geometric isomer.

5. All parts of the plant presently classified botanically as *Datura*, whether growing or not, the seeds thereof, any extract from any part of such plant or plants, and every compound, manufacture, salt derivative, mixture or preparation of such plant or plants, its seeds or extracts, unless substances consistent with those found in such plants are present in formulations that the Food and Drug Administration of the United States Department of Health and Human Services has approved for distribution.

- 6. Unless specifically excepted or unless listed in another schedule, any material, compound, mixture or preparation which contains any quantity of phencyclidine, mecloqualone or methaqualone having a depressant effect on the central nervous system, including, without limitation, their salts, isomers and salts of isomers, whenever the existence of such salts, isomers and salts of isomers is possible within the specific chemical designation.
- 7. Unless specifically excepted or unless listed in another schedule, any material, compound, mixture or preparation which contains any quantity of the following substances having a stimulant effect on the central nervous system, including, without limitation, their salts, isomers and salts of isomers:

Alpha-PVP (some trade or other names: 1-phenyl-2-(1-pyrrolidinyl)-1-pentanone, alpha-pyrrolidinopentiophenone, alpha-pyrrolidinovalerophenone);

Aminorex;

Butylone (some trade or other names:  $\beta$ -keto-N-methylbenzodioxolylpropylamine, bk-MBDB);

Cathinone (some trade or other names: 2-amino-1-phenyl-1-propanone; alphaaminopropiophenone; 2-aminopropiophenone; norephedrone);

Dimethylone (some trade or other names: 3,4-methylenedioxy-N,Ndimethylcathinone; N,N-dimethyl MDCATH; N,N-dimethyl-3,4- methylenedioxycathinone; N,N-dimethyl-β-keto-3,4-methylenedioxyamphetamine; 1-(1,3-benzodioxol-5-yl)-2- (dimethylamino)propan-1-one; bk-MDDMA);

Ethylone (some trade or other names: N-ethyl-3,4-methylenedioxycathinone; 1-(1,3-benzodioxol-5-yl)-2-(ethylamino)propan-1-one; MDEC; bk-MDEA);

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Fenethylline;
Fluoroamphetamine (some trade or other names: 2-fluoroamphetamine, 3-
  fluoroamphetamine, 4-fluoroamphetamine, 2-FA, 3-FA, 4-FA, PFA);
Fluoromethcathinone (some trade or other names: 4-Fluoromethcathinone (Flephedrone)
  and 3-Fluoromethcathinone (3-FMC));
Mephedrone (some trade or other names: Methylmethcathinone, 4-Methylmethcathinone,
  4-MMC, 4-Methylephedrone);
Methamphetamine;
Methcathinone (some trade or other names: N-Methylcathinone, cat);
Methedrone (some trade or other names: Methoxymethcathinone, 4-
  Methoxymethcathinone, bk-PMMA, methoxyphedrine);
(±)cis-4-methylaminorex ((+)cis-4,5-dihydro-4-methyl-5-phenyl-2-oxazolamine);
Methylenedioxypyrovalerone (some trade or other names: 3,4-
  Methylenedioxypyrovalerone, MDPV);
Methylethcathinone (some trade or other names: 2-(ethylamino)-1-(4-
  methylphenyl)propan-1-one, 4-MEC, 4-methyl-N-ethylcathinone);
Methylone (some trade or other names: Methylenedioxy-N-methylcathinone,
  Methylenedioxymethcathinone, 3,4-Methylenedioxy-N-methylcathinone, bk-MDMA);
N,N-dimethylamphetamine (commonly referred to as N,N-alpha-trimethyl-
  benzeneethanamine; N,N-alpha-trimethylphenethylamine); for
N-ethylamphetamine [...; or
Pentylone (trade or other names: 1-(1,3-benzodioxol-5-yl)-2-(methylamino)pentan-1-
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one; beta-keto-methylbenzodioxolylpentanamine; bk-MBDP; bk-methyl-K).

- 8. Unless specifically listed in another schedule, coca leaves, cocaine base or free base, or a salt, compound, derivative, isomer or preparation thereof which is chemically equivalent or identical to such substances, and any quantity of material, compound, mixture or preparation which contains coca leaves, cocaine base or cocaine free base or its isomers or any of the salts of cocaine, except decocainized coca leaves or extractions which do not contain cocaine or ecgonine.
- 9. Unless specifically listed in another schedule, Tetrahydrocannabinols (natural or synthetic equivalents of substances contained in the plant, or in the resinous extractives of Cannabis, sp. or synthetic substances, derivatives and their isomers with similar chemical structure and pharmacological activity such as the following:

Delta 9 cis or trans tetrahydrocannabinol, and their optical isomers, also known as Delta 1 cis or trans tetrahydrocannabinol, and their optical isomers;

Delta 8 cis or trans tetrahydrocannabinol, and their optical isomers, also known as Delta 6 cis or trans tetrahydrocannabinol, and their optical isomers;

Delta 3, 4 cis or trans tetrahydrocannabinol, and its optical isomers;

Tetrahydrocannabinols contained in the genus Cannabis or in the resinous extractives of the genus Cannabis;

Synthetic equivalents of tetrahydrocannabinol substances or synthetic substances, derivatives and their isomers with a similar chemical structure; and

Since nomenclature of these substances is not internationally standardized, compounds of these structures, regardless of numerical designation of atomic positions covered).

10. Unless specifically listed in another schedule, any material, compound, mixture or preparation which contains any quantity of CBD (natural or synthetic equivalents of the substances contained in the plant or in the resinous extractives of Cannabis sp. or synthetic substances, derivatives and their isomers with similar chemical structure and pharmacological activity).