CLAIMS:

1. A composition comprising nicotine and one or more tobacco-derived compounds, wherein the one or more tobacco-derived compounds are obtained by a process comprising condensing a gas stream employed in a tobacco expansion process comprising the tobacco-derived compounds to form a condensate, and fractionating the condensate to selectively recover or enrich the one or more tobacco-derived compounds.

2. A composition according to claim 1, wherein the one or more tobacco-derived compounds are obtained by condensing a gas stream that is employed in a dry ice tobacco expansion process.

3. A composition according to any one of claims 1-2, wherein the one or more tobacco-derived compounds in the gas stream are generated from tobacco by volatilization at a temperature at between about 150°C and about 400°C.

4. A composition according to any one of claims 1-3, wherein the one or more tobacco-derived compounds in the gas stream are obtained by treating tobacco that is impregnated with non-gaseous carbon dioxide with a gas stream comprising steam, at a temperature at between about 150°C and about 400°C, thereby volatizing the one or more tobacco-derived compounds.

5. A composition according to any one of claims 1-4, wherein the one or more tobacco-derived compounds are obtained by condensing the gas stream in more than one stage at different temperature ranges and forming more than one condensate.

6. A composition according to any one of claims 1-5 wherein one or more of the tobacco-derived compounds is a terpene, a tobacco alkaloid, or an alkylpyrazine.

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7. A composition according to any one of claims 1-6 wherein one or more of the tobacco-derived compounds that is obtained in one or more condensates by the process is selected from the group consisting of α-pinene, β-pinene, α-terpinene, limonene, eucalyptol, linalool, camphor, borneol, citronellol, β-caryophyllene, l-nicotine, l-myosmine, nicotyrine, cotinine, 3-cyanopyridine, 2-methyl-pyrazine, 2-ethyl-pyrazine, 2,3-dimethyl-pyrazine, 6-ethyl-2-methyl-pyrazine, trimethyl-pyrazine, 2-ethyl-5-methyl-pyrazine, and dimethyethyl-pyrazine.

8. An aerosol-generating composition for use in a heated aerosol-generating smoking device, comprising a composition according to any one of claims 1-7.

9. The aerosol-generating composition according to claim 7 or claim 8, wherein the composition further comprises propylene glycol and glycerol.

10. A method comprising:

Volatilizing, via a tobacco expansion process, one or more tobacco-derived compounds into a gas stream;

recovering a composition comprising at least one of the one or more volatilized constituents or reaction products from the gas stream; and

fractionating the composition to selectively recover or enrich at least one of the one or more volatilized constituents or reaction products.

11. A method according to claim 10, wherein volatilizing the one or more tobacco-derived compounds into the gas stream comprises heating tobacco impregnated with non-gaseous carbon dioxide by a gas stream comprising steam in the tobacco expansion process.

12. A method according to any of claims 10-11, wherein recovering the at least one of the one or more volatilized compounds comprises condensing the gas stream at one or more temperature ranges.

13. A method according to any claims 10-12, further comprising introducing one or more of the recovered tobacco-derived compounds to an aerosol-generating composition for use in a heated aerosol-generating smoking device.

14. A method for preparing an aerosol-generating composition for use in a heated aerosol-generating smoking article, comprising:

formulating the composition according to any one of claims 1-7 with one or more aqueous composition comprising nicotine, propylene glycol, glycerol or a combination of at least two of the foregoing substance.

15. A method according to claim 10, wherein volatilizing the one or more tobacco-derived compounds comprises dry ice tobacco expansion, the method further comprising:

selectively recovering or enriching a fraction comprising tobacco-derived compounds; and

formulating an aerosol-generating composition with the fraction and an aqueous composition comprising nicotine and propylene glycol, glycerol, or a combination thereof.