**Table S1. Chemical composition of the essential oil of HQT**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Compound Category | Compound Name | Content (%) | Reference |
| 1 | Alkanes | Octane | <0.1 | [1] |
| 2 |  | *N*-Eicosane | 0.1 | [3] |
| 3 |  | Eicosane | 3.8 | [4] |
| 4 |  | Heptadecane | 2.0 | [4] |
| 5 |  | Hexadecane | 1.1 | [4] |
| 6 |  | 2-Hexadecene | 1.2 | [4] |
| 7 | Carboxylic Acids | Phthalic acid | 0.3 | [4] |
| 8 | Fatty Acids | 9,12,15-Octadecatrienoic acid | 0.4 | [4] |
| 9 |  | Palmitic acid | 0.3 | [4] |
| 10 | Monoterpenes | *δ*-3-Carene | <0.1 | [1] |
| 11 |  | *p*-Cymene | <0.1 | [1] |
| 12 |  | Limonene | <0.1 | [1] |
| 13 |  | *γ*-Terpinene | <0.1 | [1] |
| 14 |  | Terpinolene | <0.1 | [1] |
| 15 |  | *E*-Ectocarpene | <0.1 | [1] |
| 16 |  | *β*-Sesquiphellandrene | 1.8 | [3] |
| 17 |  | *β*-*cis*-Ocimene | 1.8 | [3] |
| 18 |  | *β*-Linalool | 1.5 | [3] |
| 19 |  | *β*-Terpinene | 0.7 | [3] |
| 20 |  | Linalool | 3.5 | [2] |
| 21 |  | *β*-Phellandrene | 1.8 | [2] |
| 22 |  | Valencene | 1.3 | [2] |
| 23 |  | (*Z*)-*β*-Ocimene | 0.9 | [2] |
| 24 |  | *β*-Ionone | 0.1 | [2] |
| 25 | Oxygenated Monoterpenes | 3-Octanone | 2.2 | [1] |
| 26 |  | Ethyl acetate | 2.0 | [1] |
| 27 |  | 3-Octanol | 1.0 | [1] |
| 28 |  | 3-Octyl acetate | 0.9 | [1] |
| 29 |  | 2-(Methylamino)benzaldehyde | 0.5 | [1] |
| 30 |  | 3-Hydroxy-2-butanone | 0.4 | [1] |
| 31 |  | (*E*)-2-Methyl-2-butenal | 0.4 | [1] |
| 32 |  | *α*-Pinene | 0.4 | [1] |
| 33 |  | *α*-Thujene | 0.4 | [1] |
| 34 |  | Methyl 2-methylpropanoate | 0.3 | [1] |
| 35 |  | Sabinene | 0.3 | [1] |
| 36 |  | 2-Methylpropyl acetate | 0.2 | [1] |
| 37 |  | Hexanol | 0.2 | [1] |
| 38 |  | 2-Butanol | 0.1 | [1] |
| 39 |  | 1-Penten-3-ol | 0.1 | [1] |
| 40 |  | 2-Methylbutyl acetate | 0.1 | [1] |
| 41 |  | 3-4-Methyl-3-pentenyl)furane)[perillene] | 0.1 | [1] |
| 42 |  | 1-Octen-3-yl acetate | 0.1 | [1] |
| 43 |  | (*E*)-4,8-Dimethyl-1,3,7-nonatriene | 0.1 | [1] |
| 44 |  | Methyl salicylate | 0.1 | [1] |
| 45 |  | Geranial | 0.1 | [1] |
| 46 |  | Isocaryophyllene | 0.1 | [1] |
| 47 |  | 2-Butyl acetate | <0.1 | [1] |
| 48 |  | Ethyl 2-methylpropanoate | <0.1 | [1] |
| 49 |  | 3-Hexanol | <0.1 | [1] |
| 50 |  | (*Z*)-3-Hexenyl acetate | <0.1 | [1] |
| 51 |  | 1,8-Cineole | <0.1 | [1,2] |
| 52 |  | Methyl octanoate | <0.1 | [1] |
| 53 |  | Allyl alcohol | 5.5 | [3] |
| 54 |  | Acetophenone | 4.6 | [3] |
| 55 |  | 2,6,11-Trimethyldodecan | 2.9 | [3] |
| 56 |  | Benzaldehyde | 2.6 | [3] |
| 57 |  | Decanal | 0.6 | [3] |
| 58 |  | Nonanal | 0.6 | [3] |
| 59 |  | Indole | 0.5 | [3] |
| 60 |  | Cyclohexanone | 0.4 | [3] |
| 61 |  | Phenylacetaldehyde | 0.4 | [3] |
| 62 |  | O-Acetylphenol | 0.4 | [3] |
| 63 |  | Benzyl alcohol | 0.4 | [3] |
| 64 |  | (*E*)-4-Phenyl-3-buten-2-ol | 0.2 | [3] |
| 65 |  | Trans-*β*-ionone | 0.1 | [3] |
| 66 |  | Farnesyl acetate | 0.1 | [3] |
| 67 |  | Neophytadiene | 7.3 | [4] |
| 68 |  | 2, 4-Cycloheptadien-1-one | 3.3 | [4] |
| 69 |  | Phytol | 3.0 | [4] |
| 70 |  | 2-Hexadecen-1-ol | 2.3 | [4] |
| 71 |  | Cyclopentanol | 1.2 | [4] |
| 72 |  | Palmitaldehyde | 0.8 | [4] |
| 73 |  | 4-Heptanol | 0.7 | [4] |
| 74 |  | Oleyl alcohol | 0.6 | [4] |
| 75 |  | *α*-Terpineol | 2.2 | [2] |
| 76 |  | Methyleugenol | 2.2 | [2] |
| 77 |  | Fenchone | 1.7 | [2] |
| 78 |  | (*E*)-Methylisoeugenol | 1.0 | [2] |
| 79 |  | 4-Terpineol | 0.8 | [2] |
| 80 |  | Borneol | 0.2 | [2] |
| 81 |  | Carvacrol | 9.3 | [5] |
| 82 |  | Thymol | 7.5 | [5] |
| 83 |  | Carvacrol methyl ether | 0.8 | [5] |
| 84 |  | Coumaran | 0.3 | [5] |
| 85 |  | *τ*-Murrolol | 0.3 | [5] |
| 86 |  | Carvacryl acetate | 0.2 | [5] |
| 87 |  | *cis*-Guaia-3,9-dien-11-ol | 0.2 | [5] |
| 88 |  | *τ*-Cadinol | 0.2 | [5] |
| 89 | Phenolic Compounds | Eugenol | 18.4 | [2] |
| 90 |  | Myristicin | 4.7 | [2] |
| 91 | Phthalates | *Bis* (2-ethylhexyl) phthalic acid | 0.5 | [4] |
| 92 | Sesquiterpenes | *β*-Caryophyllene | 29.0 | [1] |
| 93 |  | Germacrene D | 17.6 | [1] |
| 94 |  | *δ*-Cadinene | 3.9 | [1] |
| 95 |  | *β*-Bourbonene | 2.6 | [1] |
| 96 |  | *γ*-Muurolene | 2.4 | [1] |
| 97 |  | *γ*-Cadinene | 2.1 | [1] |
| 98 |  | *α*-Humulene | 2.0 | [1] |
| 99 |  | *α*-Copaene | 1.7 | [1] |
| 100 |  | *cis*-Muurola-4(15), 5-diene | 1.7 | [1] |
| 101 |  | *α*-Muurolene | 1.7 | [1] |
| 102 |  | Bicyclogermacrene | 1.5 | [1] |
| 103 |  | *α*-Cubebene | 1.0 | [1] |
| 104 |  | *β*-Copaene | 1.0 | [1] |
| 105 |  | δ-Amorphene | 0.7 | [1] |
| 106 |  | Aromadendrene | 0.7 | [1] |
| 107 |  | 1,5-di-epi-*β*-Bourbonene | 0.6 | [1] |
| 108 |  | *α*-Cadinene | 0.5 | [1] |
| 109 |  | *β*-Cubebene | 0.5 | [1] |
| 110 |  | *γ*-Amorphene | 0.5 | [1] |
| 111 |  | Cadina-3,5-diene | 0.4 | [1] |
| 112 |  | *α*-Ylangene | 0.3 | [1] |
| 113 |  | Cadin-1,4-diene | 0.2 | [1] |
| 114 |  | *β*-Ylangene | 0.2 | [1] |
| 115 |  | Calamenene | 0.1 | [1] |
| 116 |  | Zonarene | <0.1 | [1] |
| 117 |  | Caryophyllene | 18.9 | [3] |
| 118 |  | *γ*-Elemene | 6.2 | [3] |
| 119 |  | Alloaromadendrene oxide | 3.4 | [2] |
| 120 |  | *β*-Eudesmol | 1.3 | [2] |
| 121 |  | Nerolidol | 0.6 | [2] |
| 122 |  | Bicyclogermacrene | 4.8 | [5] |
| 123 |  | Germacrene D-4-ol | 4.3 | [5] |
| 124 |  | *β*-Bourboncne | 3.1 | [5] |
| 125 |  | *β*-Curcumene | 0.7 | [5] |
| 126 |  | (*E*)-*β*-Farnesene | 0.5 | [5] |
| 127 |  | *allo*-Aromadendrene | 0.4 | [5] |
| 128 |  | *δ*-Elemene | 0.4 | [5] |
| 129 |  | Sesquithujene | 0.3 | [5] |
| 130 |  | *iso*-Germacrene D | 0.3 | [5] |
| 131 |  | *trans*-*β*-Bergamotene | 0.3 | [5] |
| 132 |  | *α*-Muurolene | 0.3 | [5] |
| 133 |  | (*E,E*)-*α*-Farnesene | 0.3 | [5] |
| 134 |  | 9-*epi*-(*E*)-Caryophyllene | 0.2 | [5] |
| 135 |  | Germacra-4(15),5,10(14)-trien-1*α*-ol | 0.2 | [5] |
| 136 |  | 2-epi/*α*-Funebrene | 0.1 | [5] |
| 137 | Sterols | Stigmast-5-en-3-ol | 11.3 | [4] |
| 138 |  | Cholesterol | 3.4 | [4] |
| 139 | Sulfur Compounds | Dimethyl disulfide | 0.2 | [1] |
| 140 | Triterpenoids | *α*-Amyrin | 4.6 | [4] |
| 141 |  | *β*-Amyrin | 4.4 | [4] |
| 142 |  | Squalene | 2.0 | [4] |
| 143 |  | Spathulenol | 4.2 | [2] |
| 144 | Vitamins | Vitamin E | 7.4 | [4] |
| 145 |  | *β*-Tocopherol | 2.2 | [4] |

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