**Siebel Institute Sensory Kit Contents**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Name** | **Flavor** | **%** | **Solute** | **Concentration** | **AKA** | **Used?** |
| 1 | Acetaldehyde | Green apple | 1.4% | DI-H2O | 45 mg/L |  | Y - Feb Meet |
| 2 | Acetic Acid - glacial | Vinegar | 6.4% | DI-H2O | 270 mg/L |  | Y - Apr Meet |
| 3 | Benzaldehyde | Almond, marzipan | 0.1% | 20% ethanol | 3 mg/L | Artificial almond oil |  |
| 4 | Butyric Acid | Rancid butter, putrid | 0.2% | 20% ethanol | 7.5 mg/L |  | Y - Apr Meet |
| 5 | 2,3-Pentanedione | Butter, butterscotch | 0.03% | DI-H2O | 0.9 mg/L | Dicetyl | Y - Feb Meet |
| 6 | Dimethyl Sulfide | Cooked corn, cooked vegetable | 0.011% | 20% ethanol | 360 μg/L |  |  |
| 7 | 2-Ethyl fenchol | Earthy | 0.004% | 20% ethanol | 15 μg/L |  | Y - Apr Meet |
| 8 | Ethanethiol | Skunky, sewer gas | 0.0001% | DI-H2O | 3.75 μg/L | Ethyl mercaptan |  |
| 9 | Ethyl Acetate | Solventy esters | 2.5% | 20% ethanol | 90 mg/L |  | Y - Feb Meet |
| 10 | Ethyl Hexanoate | Apple esters | 0.02% | 20% ethanol | 0.6 mg/L | Ethyl caproate | Y - Feb Meet |
| 11 | Eugenol | Clove | 0.003% | 20% ethanol | 120 μg/L | Eugenic Acid | Y - Feb Meet |
| 12 | Ferrous Sulfate, 7-hydrate | Metallic | 0.1% | DI-H2O | 3.75 mg/L | Iron (II) Sulfate |  |
| 13 | Geraniol | Floral, rose-like, perfumy | 0.013% | 20% ethanol | 450 μg/L | Guaniol, Lemonol | Y - Jul Meet |
| 14 | Indole | Barnyard | 0.015% | 20% ethanol | 0.55 mg/L | Benzopyrrole | Y - Apr Meet |
| 15 | Isoamyl Acetate | Banana esters, pear drop | 0.13% | 20% ethanol | 4.5 mg/L |  | Y - Feb Meet |
| 16 | Isobutyraldehyde | Grainy, husky, nutty | 0.12% | 20% ethanol | 3.75 mg/L | Isobutaldyde |  |
| 17 | Isovaleric Acid | Cheesy, sweaty | 0.08% | 20% ethanol | 3 mg/L | Acetic acid - isopropyl | Y - Jul Meet |
| 18 | Lactic Acid | yogurt, sour milk | 8.3% | DI-H2O | 400 mg/L | DL-Lactic Acid | Y - Apr Meet |
| 19 | Octanoic Acid | Soapy, fatty, goaty | 0.87% | 40% ethanol | 31.5 mg/L | Cyprilic Acid | Y - Apr Meet |
| 20 | Trans-2-Nonenal | Papery, cardboard, oxidized | 0.00005% | DI-H2O | 2 μg/L |  | Y - Jul Meet |
| 21 | Vanillin | Vanilla | 0.004% | 20% ethanol | 150 μg/L | Vanilla |  |
| 22 | Isohop/Isolone | Hop bitterness | 0.75% | Dilute propylene glycol | 24 mg/L | Hop oil | Y - Jul Meet |
| 23 | 2,3-Butanedione | Infection (Buttery) | 0.005% | DI-H2O | 0.2 mg/L | Mixture | Y - Apr Meet |
| 23 | Acetic Acid | Infection (Sour) | 4.3% | DI-H2O | 180 mg/L | Mixture | X |
| 24 | Eugenol | Hefeweizen (Clove) | 0.002% | 20% ethanol | 80 μg/L | Mixture | Y - Feb BJCP |
| 24 | Isoamyl Acetate | Hefeweizen (Banana esters) | 0.09% | 20% ethanol | 3 mg/L | Mixture | X |