**Hop Aroma**

*(Geraniol)*
Floral, Rose-like, Perfumy

**HOP AROMA**

*Concentration: 450 μg/L*

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**Isovaleric**

Cheesy, Sweaty

**STALE HOPS**

*Concentration: 3 mg/L*

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**Hop Bitter**

*(Iso-alpha acid)*
Hop Bitterness

**HOP BITTERNESS**

*Concentration: 24 mg/L*

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**Papery**

*(Trans 2-Nonenol)*
Cardboard, Stale, Oxidized

**HOP BITTERNESS**

*Concentration: 2 μg/L*

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**Light Struck**

*(Ethanethiol)*
Skunky, Mercaptan, Sewer Gas

**LIGHTSTRUCK HOPPY BEER**

*Concentration: 3.75 μg/L*

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**Metallic**

*(Ferrous (II) Sulfate)*
Bloody, Coin-like

**LIGHTSTRUCK HOPPY BEER**

*Concentration: 4.5 mg/L*
Almond  
(Benzaldehyde)  
Almond, Marzipan  

Concentration: 3 mg/L

DMS  
(Dimethyl Sulfide)  
Cooked corn, cooked vegetables, tomato juice  

Concentration: 360 μg/L

Grainy  
(Isobutyraldehyde)  
Grainy, husky, nutty  

Concentration: 3.75 mg/L

Vanilla  
(Vanillin)  
Wood-Aged Beer  

Concentration: 150 μg/L