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**Abstrax Quantum Brite Hop Extracts are the aromatic solution that brewers have needed for years. Utilizing a proprietary, low-temperature extraction method, Abstrax has introduced a way to deliver *true-to-type* hop aromatics efficiently and cost-effectively to your beer.**

No labeling requirements, no tank losses, no cold storage, all the aromatics. And for half the price of T90s. These water-soluble extracts are turning the existing brewing paradigm on its head, providing new solutions for the myriad of challenges relating to recipe development, ingredient sourcing, production timelines, COGs, and sustainability targets. Here's how to use Quantum Brite in your brewery:

1. Store: there is no need to store these products colder than room temperature, but they are perfectly flowable at any practical temperature. (Refrigerate after opening)
2. Benchtop: Because of Quantum Brite's water solubility, you can instantly understand the flavor impact of a hop varietal by dosing it directly into packaged beer or carbonated water. Start your benchtop sensory experiments with a 0.025% dosing rate (0.25 mL/L or about 1 oz/bbl).
3. Replace: by using a dosing equivalency of 0.5oz =1lb T90s, you can replace up to 70% of your cold-side hopping bill with Quantum Brite.
4. Measure: depending on your dosing techniques, measure or weigh the required amount into a jug or beaker. If you are dosing by weight, these products have an average density around 1.002 g/mL.
5. Flush with CO<sub>2</sub>: begin purging your headspace or dosing vessel with CO<sub>2</sub> to reduce oxygen ingress
6. Add to tank or dosing vessel: add directly to your tank or dosing vessel. We would recommend adding Quantum Brite as late in the process as possible (i.e. just before packaging)
7. Homogenize: while the Quantum Brite disperses quickly, ensure homogenization by recirculating or rousing your tank.