

# HCB 002 black coffe IPA

- Gravity **16.6 BLG**
- ABV **7 %**
- IBU **87**
- SRM **30**
- Style **Black IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.4 liter(s)**
- Total mash volume **25.8 liter(s)**

## Steps

- Temp **65 C**, Time **45 min**
- Temp **75 C**, Time **45 min**
- Temp **78 C**, Time **30 min**

## Mash step by step

- Heat up **19.4 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **45 min** at **65C**
- Keep mash **45 min** at **75C**
- Keep mash **30 min** at **78C**
- Sparge using **12.4 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount         | Yield  | EBC  |
|-------|-----------------------------|----------------|--------|------|
| Grain | Weyermann - Pale Ale Malt   | 5 kg (77.5%)   | 85 %   | 7    |
| Grain | Rye, Flaked                 | 0.5 kg (7.8%)  | 78.3 % | 4    |
| Grain | Weyermann - Caraamber       | 0.25 kg (3.9%) | 75 %   | 65   |
| Grain | Weyermann - Chocolate Wheat | 0.25 kg (3.9%) | 74 %   | 900  |
| Grain | Weyermann - Carafa III      | 0.2 kg (3.1%)  | 70 %   | 1300 |
| Grain | Weyermann Caramunich 3      | 0.25 kg (3.9%) | 76 %   | 150  |

## Hops

| Use for | Name       | Amount | Time     | Alpha acid |
|---------|------------|--------|----------|------------|
| Boil    | Simcoe     | 50 g   | 60 min   | 13.2 %     |
| Dry Hop | Cascade    | 40 g   | 4 day(s) | 7.1 %      |
| Boil    | Centennial | 50 g   | 15 min   | 10.5 %     |

## Yeasts

| <b>Name</b> | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|-------------|-------------|-------------|---------------|-------------------|
| Safale S-04 | Ale         | Dry         | 10 g          | Safale            |

### **Extras**

| <b>Type</b> | <b>Name</b>       | <b>Amount</b> | <b>Use for</b> | <b>Time</b> |
|-------------|-------------------|---------------|----------------|-------------|
| Spice       | kawa 100% arabica | 50 g          | Boil           | 30 min      |
| Spice       | kawa              | 50 g          | Secondary      | 4 day(s)    |