

# HAZY IPA

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **17**
- SRM **4.4**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **7 %**
- Size with trub loss **22.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **24.5 liter(s)**
- Total mash volume **31.5 liter(s)**

## Steps

- Temp **52 C**, Time **10 min**
- Temp **68 C**, Time **45 min**
- Temp **72 C**, Time **15 min**

## Mash step by step

- Heat up **24.5 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **45 min** at **68C**
- Keep mash **15 min** at **72C**
- Sparge using **8.9 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

| Type  | Name                   | Amount       | Yield  | EBC |
|-------|------------------------|--------------|--------|-----|
| Grain | BESTMALZ - Best Pilsen | 4 kg (57.1%) | 80.5 % | 4   |
| Grain | Słód owsiany Fawcett   | 1 kg (14.3%) | 61 %   | 5   |
| Grain | Pszeniczny             | 1 kg (14.3%) | 85 %   | 4   |
| Grain | Oats, Flaked           | 1 kg (14.3%) | 80 %   | 2   |

## Hops

| Use for    | Name         | Amount | Time      | Alpha acid |
|------------|--------------|--------|-----------|------------|
| First Wort | Sabro        | 10 g   | 75 min    | 15 %       |
| Whirlpool  | Eclipse      | 25 g   | 0 min     | 17.5 %     |
| Whirlpool  | Enigma (AUS) | 25 g   | 0 min     | 17.2 %     |
| Whirlpool  | Sabro        | 40 g   | 0 min     | 15 %       |
| Dry Hop    | Galaxy       | 50 g   | 14 day(s) | 15 %       |
| Dry Hop    | Sabro        | 50 g   | 5 day(s)  | 15 %       |
| Dry Hop    | Enigma (AUS) | 25 g   | 5 day(s)  | 17.2 %     |
| Dry Hop    | Eclipse      | 25 g   | 5 day(s)  | 17.5 %     |

**Yeasts**

| Name                               | Type | Form | Amount | Laboratory |
|------------------------------------|------|------|--------|------------|
| Lallemand - LalBrew<br>Verdant IPA | Ale  | Dry  | 11 g   | Lallemand  |