

# White IPA I

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- Gravity **15 BLG**
- ABV ---
- IBU **73**
- SRM **6.6**
- Style **White IPA**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.2 liter(s)**

## Mash information

- Mash efficiency **61 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.8 liter(s)**
- Total mash volume **14.4 liter(s)**

## Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **10.8 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **6 liter(s)** of **76C** water or to achieve **13.2 liter(s)** of wort

## Fermentables

| Type  | Name                           | Amount         | Yield | EBC |
|-------|--------------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale           | 1.8 kg (50%)   | 80 %  | 6   |
| Grain | Weyermann - Pszeniczny jasny   | 1 kg (27.8%)   | 80 %  | 6   |
| Grain | Płatki pszeniczne błyskawiczne | 0.6 kg (16.7%) | 75 %  | 3   |
| Grain | Płatki owsiane błyskawiczne    | 0.2 kg (5.6%)  | 80 %  | 2   |

## Hops

| Use for   | Name         | Amount | Time     | Alpha acid |
|-----------|--------------|--------|----------|------------|
| Boil      | USA Citra    | 10 g   | 60 min   | 13.5 %     |
| Boil      | USA Amarillo | 20 g   | 30 min   | 8.6 %      |
| Boil      | USA Citra    | 30 g   | 5 min    | 13.5 %     |
| Whirlpool | USA Amarillo | 20 g   | 0 min    | 8.6 %      |
| Dry Hop   | USA Citra    | 10 g   | 7 day(s) | 13.5 %     |
| Dry Hop   | USA Amarillo | 10 g   | 7 day(s) | 8.6 %      |

## Yeasts

| Name                 | Type | Form  | Amount | Laboratory |
|----------------------|------|-------|--------|------------|
| FM52 Amerykański Sen | Ale  | Slant | 70 ml  | ---        |

### Extras

| Type   | Name                               | Amount | Use for | Time   |
|--------|------------------------------------|--------|---------|--------|
| Spice  | Kolendra indyjska                  | 5 g    | Boil    | 5 min  |
| Spice  | Skórka gorzkiej pomarańczy Curacao | 15 g   | Boil    | 5 min  |
| Fining | Mech irlandzki                     | 3 g    | Boil    | 15 min |