

White Ipa

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **37**
- SRM **4.6**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **72C**
- Sparge using **18 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Weyermann - Pilsner Malt | 3.8 kg (50.7%) | 81 % | 5 |
| Grain | Weyermann pszeniczny jasny | 2.5 kg (33.3%) | 80 % | 6 |
| Grain | Płatki owsiane | 0.6 kg (8%) | 85 % | 3 |
| Grain | Płatki pszeniczne | 0.6 kg (8%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------------|--------|----------|------------|
| Boil | Azacca | 20 g | 60 min | 14 % |
| Boil | Hallertau Blanc | 20 g | 30 min | 11 % |
| Aroma (end of boil) | Azacca | 10 g | 5 min | 14 % |
| Whirlpool | Hallertau Blanc | 30 g | 0 min | 11 % |
| Dry Hop | Centennial | 30 g | 3 day(s) | 10.5 % |
| Dry Hop | Cascade | 30 g | 3 day(s) | 6 % |
| Dry Hop | Azacca | 30 g | 3 day(s) | 14 % |
| Dry Hop | Hallertau Blanc | 40 g | 3 day(s) | 11 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-33 | Ale | Dry | 11.5 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------|-------------------|--------|-----------|----------|
| Spice | kolendra | 10 g | Boil | 10 min |
| Spice | skórka pomarańczy | 10 g | Boil | 10 min |
| Spice | kolendra | 20 g | Secondary | 3 day(s) |
| Spice | skórka pomarańczy | 20 g | Secondary | 3 day(s) |