

White IPA

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **68**
- SRM **3.9**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **12.5 liter(s)**
- Trub loss **4 %**
- Size with trub loss **13 liter(s)**
- Boil time **70 min**
- Evaporation rate **20 %/h**
- Boil size **16.5 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **11.2 liter(s)**
- Total mash volume **14.4 liter(s)**

Steps

- Temp **68 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **11.2 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **40 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **8.5 liter(s)** of **76C** water or to achieve **16.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 1.6 kg (50%) | 80 % | 4 |
| Grain | Strzegom Pszeniczny | 0.5 kg (15.6%) | 81 % | 6 |
| Grain | Płatki pszeniczne | 0.3 kg (9.4%) | 85 % | 3 |
| Grain | Barley, Flaked | 0.4 kg (12.5%) | 70 % | 4 |
| Grain | Oats, Flaked | 0.4 kg (12.5%) | 80 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|--------|------------|
| Boil | Columbus/Tomahawk/Zeus | 15 g | 60 min | 16.8 % |
| Boil | Equinox | 10 g | 20 min | 13.1 % |
| Boil | Rakau (NZ) | 10 g | 20 min | 9.5 % |
| Aroma (end of boil) | Cascade | 15 g | 0 min | 6 % |
| Aroma (end of boil) | Equinox | 5 g | 0 min | 13.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------------------|------|------|--------|------------|
| Brewferm Blanche | Ale | Dry | 5 g | --- |

Extras

| Type | Name | Amount | Use for | Time |
|-------|--------------|--------|---------|--------|
| Spice | Kolendra | 15 g | Boil | 10 min |
| Spice | Curacao | 10 g | Boil | 10 min |
| Other | Łuska ryżowa | 50 g | Mash | 0 min |