

DDH IPA

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **41**
- SRM **4.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **7 %**
- Size with trub loss **13.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **16.7 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.3 liter(s)**
- Total mash volume **15 liter(s)**

Steps

- Temp **66 C**, Time **50 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up **11.3 liter(s)** of strike water to **73.6C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **72C**
- Sparge using **9.2 liter(s)** of **76C** water or to achieve **16.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3 kg (80%) | 80 % | 5 |
| Grain | Płatki pszeniczne | 0.25 kg (6.7%) | 60 % | 3 |
| Grain | Pszeniczny | 0.5 kg (13.3%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|----------|------------|
| Boil | Equinox | 19 g | 60 min | 13.1 % |
| Aroma (end of boil) | Equinox | 13 g | 5 min | 13.1 % |
| Whirlpool | Equinox | 13 g | 0 min | 13.1 % |
| Whirlpool | Citra | 19.5 g | 0 min | 12 % |
| Dry Hop | Izabella | 32.5 g | 5 day(s) | 5.1 % |
| Dry Hop | Citra | 32.5 g | 5 day(s) | 12 % |
| Dry Hop | Cascade | 32.5 g | 5 day(s) | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 7.15 g | Fermentis |