

DDH IPA

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **30**
- SRM **4.7**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **7 %**
- Size with trub loss **21.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Steps

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

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **72C**
- Sparge using **12.7 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (76.9%) | 80 % | 5 |
| Grain | Płatki owsiane | 0.5 kg (7.7%) | 85 % | 3 |
| Grain | Pszeniczny | 1 kg (15.4%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil | Equinox | 20 g | 60 min | 13.1 % |
| Aroma (end of boil) | Equinox | 20 g | 5 min | 13.1 % |
| Whirlpool | Equinox | 20 g | 0 min | 13.1 % |
| Whirlpool | Citra | 30 g | 0 min | 12 % |
| Dry Hop | Mosaic | 50 g | 5 day(s) | 10 % |
| Dry Hop | Citra | 50 g | 5 day(s) | 12 % |
| Dry Hop | Cascade | 50 g | 5 day(s) | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11 g | Fermentis |