

Double IPA

- Gravity **17.7 BLG**
- ABV **7.6 %**
- IBU **88**
- SRM **7.5**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 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 **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------------|------------------------------|-----------------|-------|-----|
| Grain | Viking Pale Ale malt | 6 kg (82.8%) | 80 % | 6 |
| Dry Extract | Ekstrakt słodowy super jasny | 0.75 kg (10.3%) | 100 % | 5 |
| Grain | Viking Red Ale malt | 0.5 kg (6.9%) | 80 % | 70 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|----------|------------|
| Boil | lunga | 50 g | 60 min | 12.4 % |
| Boil | Cascade NZ | 15 g | 20 min | 7 % |
| Boil | Eureka! | 15 g | 20 min | 18 % |
| Boil | Citra | 15 g | 20 min | 13.5 % |
| Aroma (end of boil) | Cascade NZ | 10 g | 7 min | 7 % |
| Aroma (end of boil) | Eureka! | 10 g | 7 min | 18 % |
| Aroma (end of boil) | Citra | 10 g | 7 min | 13.5 % |
| Dry Hop | Cascade NZ | 26 g | 2 day(s) | 7 % |
| Dry Hop | Eureka! | 26 g | 2 day(s) | 18 % |
| Dry Hop | Citra | 26 g | 2 day(s) | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-04 | Ale | Slant | 200 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 3 g | Boil | 10 min |