

## DDH DIPA

- Gravity **21.6 BLG**
- ABV **9.7 %**
- IBU **42**
- SRM **5.8**
- Style **Imperial IPA**

### Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19.8 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.4 liter(s)**
- Total mash volume **27.2 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **0 min**

### Mash step by step

- Heat up **20.4 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **6.2 liter(s)** of **76C** water or to achieve **19.8 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (73.5%)  | 80 %  | 5   |
| Grain | Pszeniczny           | 1 kg (14.7%)  | 85 %  | 4   |
| Grain | Płatki pszeniczne    | 0.4 kg (5.9%) | 85 %  | 3   |
| Grain | Płatki owsiane       | 0.4 kg (5.9%) | 85 %  | 3   |

### Hops

| Use for             | Name    | Amount | Time     | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Aroma (end of boil) | Cascade | 20 g   | 15 min   | 5.8 %      |
| Aroma (end of boil) | Mosaic  | 20 g   | 15 min   | 13.2 %     |
| Aroma (end of boil) | Simcoe  | 20 g   | 15 min   | 11.7 %     |
| Aroma (end of boil) | Citra   | 20 g   | 15 min   | 12.5 %     |
| Dry Hop             | Cascade | 30 g   | 4 day(s) | 5.8 %      |
| Dry Hop             | Mosaic  | 30 g   | 4 day(s) | 13.2 %     |
| Dry Hop             | Simcoe  | 30 g   | 2 day(s) | 11.7 %     |
| Dry Hop             | Citra   | 30 g   | 2 day(s) | 12.5 %     |

### Yeasts

| Name                 | Type | Form   | Amount | Laboratory       |
|----------------------|------|--------|--------|------------------|
| FM52 Amerykański Sen | Ale  | Liquid | 125 ml | Fermentum Mobile |