

## NEIPA 16

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **47**
- SRM **5.1**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **3 %**
- Size with trub loss **19.6 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **22.9 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.8 liter(s)**

### Steps

- Temp **68 C**, Time **70 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **17.5 liter(s)** of strike water to **75.3C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **5 min** at **78C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **22.9 liter(s)** of wort

### Fermentables

| Type  | Name              | Amount         | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Castle Pale Ale   | 2.8 kg (52.8%) | 80 %  | 8   |
| Grain | Pilzneński        | 1.5 kg (28.3%) | 81 %  | 4   |
| Grain | Płatki pszeniczne | 0.5 kg (9.4%)  | 60 %  | 3   |
| Grain | Płatki owsiane    | 0.5 kg (9.4%)  | 60 %  | 3   |

### Hops

| Use for             | Name         | Amount | Time     | Alpha acid |
|---------------------|--------------|--------|----------|------------|
| Boil                | Mosaic       | 40 g   | 5 min    | 10 %       |
| Aroma (end of boil) | Centennial   | 40 g   | 15 min   | 10.5 %     |
| Aroma (end of boil) | Cascade PL   | 50 g   | 15 min   | 5.2 %      |
| Dry Hop             | Ekuanot      | 40 g   | 5 day(s) | 14 %       |
| Dry Hop             | Enigma (AUS) | 40 g   | 5 day(s) | 17.2 %     |
| Dry Hop             | Eureka!      | 60 g   | 5 day(s) | 18 %       |
| Dry Hop             | Bravo        | 35 g   | 5 day(s) | 15.5 %     |

### Yeasts

| Name                                 | Type | Form | Amount | Laboratory      |
|--------------------------------------|------|------|--------|-----------------|
| Mangrove Jack's M36 Liberty Bell Ale | Ale  | Dry  | 11 g   | Mangrove Jack's |