

#164 NE Double IPA

- Gravity **18.4 BLG**
- ABV **8 %**
- IBU **33**
- SRM **5.3**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **4 %**
- Size with trub loss **22.9 liter(s)**
- Boil time **67 min**
- Evaporation rate **10 %/h**
- Boil size **27.9 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3.4 liter(s) / kg**
- Mash size **27 liter(s)**
- Total mash volume **35 liter(s)**

Steps

- Temp **64 C**, Time **42 min**
- Temp **72 C**, Time **35 min**
- Temp **77 C**, Time **5 min**

Mash step by step

- Heat up **27 liter(s)** of strike water to **70.5C**
- Add grains
- Keep mash **42 min** at **64C**
- Keep mash **35 min** at **72C**
- Keep mash **5 min** at **77C**
- Sparge using **8.9 liter(s)** of **76C** water or to achieve **27.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Viking Pale Ale malt | 5 kg (59.2%) | 80 % | 5 |
| Grain | Strzegom Pszeniczny | 1.7 kg (20.1%) | 73 % | 6 |
| Grain | Płatki owsiane | 0.65 kg (7.7%) | 85 % | 3 |
| Grain | Rice, Flaked | 0.6 kg (7.1%) | 70 % | 2 |
| Sugar | Milk Sugar (Lactose) | 0.4 kg (4.7%) | 76.1 % | 0 |
| Sugar | Cane (Beet) Sugar | 0.1 kg (1.2%) | 100 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|----------------|--------|--------|------------|
| Boil | lunga PL | 35 g | 55 min | 9.6 % |
| Whirlpool | Trident | 81 g | 1 min | 11 % |
| Whirlpool | Citra | 55 g | 1 min | 13 % |
| Whirlpool | Sabro | 60 g | 1 min | 14.8 % |
| Whirlpool | Nelson Sauvign | 60 g | 1 min | 14 % |
| Whirlpool | Idaho 7 | 36 g | 1 min | 13.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--|-------------|-------------|---------------|-------------------|
| WLP644 - Saccharomyces brux-like Trois | Ale | Liquid | 1200 ml | White Labs |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-------------|---------------|----------------|-------------|
| Other | Witamina C | 2.5 g | Secondary | 7 day(s) |