

NE IPA

- Gravity **16.6 BLG**
- ABV ---
- IBU **40**
- SRM **6.3**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **11.9 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--|---------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 3 kg (54.5%) | 85 % | 7 |
| Grain | Monachijski typ II 20-25 EBC Weyermann | 1 kg (18.2%) | 80 % | 20 |
| Grain | Weyermann pszeniczny jasny | 0.5 kg (9.1%) | 80 % | 6 |
| Grain | Płatki pszeniczne | 0.5 kg (9.1%) | 85 % | 3 |
| Grain | Płatki owsiane | 0.5 kg (9.1%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|------------|------------------------|--------|--------|------------|
| First Wort | Columbus/Tomahawk/Zeus | 15 g | 70 min | 15 % |
| Boil | Cascade | 50 g | 5 min | 5.5 % |
| Boil | Chinook | 40 g | 5 min | 10 % |
| Boil | Citra | 10 g | 5 min | 12 % |
| Whirlpool | Cascade | 20 g | 0 min | 5.5 % |
| Whirlpool | Chinook | 10 g | 0 min | 10 % |
| Whirlpool | Citra | 10 g | --- | 12 % |

| | | | | |
|---------|---------|------|----------|-------|
| Dry Hop | Cascade | 70 g | 5 day(s) | 5.5 % |
| Dry Hop | Chinook | 70 g | 5 day(s) | 10 % |
| Dry Hop | Citra | 30 g | 5 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------|------|------|--------|------------|
| nie wiem | Ale | Dry | 20 g | nn |