

THE FIGHTER - BROKREACJA IIPA 19°

- Gravity **19.3 BLG**
- ABV **8.4 %**
- IBU **118**
- SRM **9.8**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **25.2 liter(s)**

Steps

- Temp **62 C**, Time **75 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **18.9 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **75 min** at **62C**
- Keep mash **10 min** at **78C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **26.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|----------------------------|-----------------|-------|-----|
| Grain | Pale Ale | 4.1 kg (56.6%) | 85 % | 5 |
| Grain | Monachijski typ II | 1.85 kg (25.5%) | 79 % | 22 |
| Grain | Pszeniczny | 0.35 kg (4.8%) | 85 % | 4 |
| Liquid Extract | WES ekstrakt słodowy jasny | 0.95 kg (13.1%) | 80 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 40 g | 60 min | 15.8 % |
| Boil | Citra | 20 g | 30 min | 14.2 % |
| Boil | Simcoe | 20 g | 30 min | 13.7 % |
| Boil | Citra | 25 g | 15 min | 14.2 % |
| Boil | Simcoe | 25 g | 15 min | 13.7 % |
| Dry Hop | Citra | 75 g | 6 day(s) | 14.2 % |
| Dry Hop | Simcoe | 75 g | 6 day(s) | 13.7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 23 g | Fermentis |