

IPA do kwadratu

- Gravity **18.7 BLG**
- ABV **8.1 %**
- IBU **71**
- SRM **6.6**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **10 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **24.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **23.1 liter(s)**
- Total mash volume **29.7 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **23.1 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **8.3 liter(s)** of **76C** water or to achieve **24.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Biscuit Malt | 0.6 kg (9.1%) | 79 % | 45 |
| Grain | Strzegom Pilzneński | 4.8 kg (72.7%) | 80 % | 4 |
| Grain | Pszeniczny | 1.2 kg (18.2%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|--------|------------|
| Boil | Magnat | 30 g | 60 min | 11.2 % |
| Boil | Cascade | 15 g | 15 min | 6 % |
| Boil | Citra | 15 g | 15 min | 12 % |
| Boil | Amarillo | 15 g | 15 min | 9.5 % |
| Boil | Mosaic | 15 g | 15 min | 10 % |
| Boil | Cascade | 20 g | 5 min | 6 % |
| Boil | Citra | 20 g | 5 min | 12 % |
| Boil | Amarillo | 20 g | 5 min | 9.5 % |
| Boil | Mosaic | 20 g | 5 min | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------------|--------|---------|--------|
| Water Agent | gips | 3 g | Mash | 60 min |
| Spice | Kolendra | 5 g | Boil | 10 min |
| Fining | mech iralndzki | 4 g | Boil | 10 min |