

IPA

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **36**
- SRM **4.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17 liter(s)**
- Total mash volume **22.6 liter(s)**

Steps

- Temp **68 C**, Time **60 min**

Mash step by step

- Heat up **17 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **14 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (70.8%)	80 %	5
Grain	Strzegom Wiedeński	0.5 kg (8.8%)	79 %	10
Grain	Strzegom Pilzneński	0.5 kg (8.8%)	80 %	4
Grain	Płatki owsiane	0.65 kg (11.5%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	15 g	60 min	6.7 %
Boil	Citra	30 g	12 min	13.4 %
Boil	Cascade	30 g	12 min	6 %
Dry Hop	Amarillo	15 g	2 day(s)	9.5 %
Dry Hop	Cascade	15 g	2 day(s)	6 %

Yeasts

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