

Aaaa Paweł się żeni

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **70**
- SRM **5.7**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **140 liter(s)**
- Trub loss **5 %**
- Size with trub loss **147 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **177.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **111 liter(s)**
- Total mash volume **148 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pszeniczny	5 kg (13.5%)	81 %	6
Grain	Strzegom Karmel 30	5 kg (13.5%)	75 %	30
Grain	Viking Pale Ale malt	25 kg (67.6%)	80 %	5
Grain	Płatki owsiane	2 kg (5.4%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	200 g	60 min	12 %
Boil	Cascade	200 g	60 min	6 %
Boil	Cascade	200 g	30 min	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Us05	Ale	Dry	55 g	Safale