

Imperator

- Gravity **18.7 BLG**
- ABV **8.1 %**
- IBU **64**
- SRM **6.6**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **5 %**
- Size with trub loss **14.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **17.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	simpsons-Pale Ale	1 kg (16.7%)	5 %	---
Grain	Viking Pale Ale malt	1 kg (16.7%)	80 %	5
Grain	Viking Pilsner malt	1.5 kg (25%)	82 %	4
Grain	Strzegom Wiedeński	0.5 kg (8.3%)	79 %	10
Grain	Pszeniczny	1 kg (16.7%)	85 %	4
Grain	Monachijski	1 kg (16.7%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Opal	13 g	60 min	8.5 %
Boil	Pacifica (NZ)	15 g	30 min	4.8 %
Boil	Motueka	15 g	60 min	7 %
Boil	Styrian Golding	40 g	60 min	3.6 %
Boil	Styrian Golding	30 g	30 min	3.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	20 g	Fermentis