

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **28**
- SRM **4.8**
- Style **Imperial IPA**

### Batch size

- Expected quantity of finished beer **9 liter(s)**
- Trub loss **10 %**
- Size with trub loss **10.8 liter(s)**
- Boil time **75 min**
- Evaporation rate **30 %/h**
- Boil size **17.3 liter(s)**

### Mash information

- Mash efficiency **71 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.4 liter(s)**
- Total mash volume **16.5 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.9 kg (70.4%)	81 %	4
Grain	Płatki owsiane	0.61 kg (14.8%)	85 %	3
Grain	Płatki orkiszowe	0.61 kg (14.8%)	80 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Equanot	5 g	60 min	13.1 %
Boil	Equanot	20 g	5 min	13.1 %
Boil	Centennial	25 g	5 min	10.5 %

### Notes

- whirlpool 78c 30min 25g centennial, 30g motueka, 30 rakau  
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