

## Człowiek Widmo#4

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- Gravity **22.9 BLG**
- ABV **10.4 %**
- IBU **72**
- SRM **8.9**
- Style **Imperial IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **15 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.5 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (54.3%)	80 %	5
Grain	Pilzneński	1 kg (10.9%)	81 %	4
Grain	Pszeniczny	1 kg (10.9%)	85 %	4
Grain	Płatki owsiane	0.5 kg (5.4%)	85 %	3
Liquid Extract	Bruntal ekstrakt słodowy pale ale	1.7 kg (18.5%)	100 %	35

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	30 g	60 min	12.8 %
Boil	Citra	30 g	30 min	12.8 %
Boil	Citra	60 g	1 min	12.8 %
Boil	Citra	30 g	45 min	12.8 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	23 g	Fermentis