

## ciemne

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **42**
- SRM **46.4**
- Style **Black IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	ekstrakt słodowy ciemny Bruntal	1.7 kg (50%)	90 %	621
Liquid Extract	Bruntal	1.7 kg (50%)	81 %	26

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Rubin	10 g	60 min	8.9 %
Boil	Magnat	12 g	60 min	14 %
Boil	Comet	25 g	10 min	8.4 %
Boil	Amarillo	9 g	10 min	7.8 %
Boil	Cascade	8 g	10 min	5.9 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis