

## Extra ciemny gorycz i Cascade

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- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **28**
- SRM **72.5**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	ekstrakt słodowy ciemny Bruntal	3.4 kg (91.9%)	90 %	621
Sugar	Milk Sugar (Lactose)	0.3 kg (8.1%)	76.1 %	0

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	25 g	60 min	3.5 %
Boil	Cascade PL	20 g	60 min	5.8 %
Aroma (end of boil)	Cascade PL	60 g	5 min	5.2 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Bulldog b1	Ale	Dry	10 g	---
Gozdawa Belgian Fruit Spicy Ale Yeast	Ale	Dry	10 g	Gozdawa