

Stout

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **44**
- SRM **30.4**
- Style **American Stout**

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)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Castle Pale Ale	5 kg (76.9%)	80 %	8
Grain	Caraaroma	0.5 kg (7.7%)	78 %	400
Grain	Briess - Chocolate Malt	0.5 kg (7.7%)	60 %	690
Grain	Płatki owsiane	0.5 kg (7.7%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	25 g	60 min	15.5 %
Aroma (end of boil)	Simcoe	25 g	5 min	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Slant	30 ml	---