

Cascade

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **34**
- SRM **8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.3 liter(s)**
- Total mash volume **23 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	5 kg (87%)	82 %	4
Grain	Pszeniczny Crystal	0.5 kg (8.7%)	75 %	130
Grain	Płatki owsiane	0.25 kg (4.3%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	50 g	20 min	7.2 %
Aroma (end of boil)	Cascade	50 g	10 min	7.2 %