

APA

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **24**
- SRM **4.5**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **20 liter(s)**
- Total mash volume **25 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	5 kg (100%)	80 %	7

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	20 g	20 min	13 %
Boil	Chinook	30 g	5 min	13 %
Dry Hop	cashmere	50 g	4 day(s)	8.8 %
Dry Hop	Citra	50 g	---	13.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
us 05	Ale	Dry	11 g	---

Extras

Type	Name	Amount	Use for	Time
Spice	trawa cytrynowa	20 g	Boil	5 min