Biterr ba

- Gravity **9.5 BLG**
- ABV **3.7 %**
- IBU **37**
- SRM **7.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **25.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.8 liter(s)**
- Total mash volume **14.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3.2 kg *(88.9%)*	85 %	7
Grain	Strzegom Monachijski typ I	0.25 kg *(6.9%)*	79 %	16
Grain	Weyermann cararoma	0.15 kg *(4.2%)*	--- %	350

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Comet	20 g	60 min	8.3 %
Boil	Warrior	10 g	15 min	15.5 %
Boil	Warrior	20 g	5 min	15.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Fermentis