

APA

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **42**
- SRM **3.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.6 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.4 liter(s)**
- Total mash volume **21.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzniejszy	5 kg (91.7%)	80 %	4
Grain	Weyermann - Carapils	0.25 kg (4.6%)	78 %	4
Grain	Płatki owsiane	0.2 kg (3.7%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	60 min	13 %
Boil	Cascade	15 g	5 min	6 %
Aroma (end of boil)	Cascade	15 g	1 min	6 %
Dry Hop	Cascade	70 g	3 day(s)	6 %
Dry Hop	Simcoe	30 g	3 day(s)	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	100 ml	Fermentum Mobile