

APA

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **30**
- SRM **6.5**
- 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 **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 **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (98%)	80 %	5
Grain	Strzegom Karmel 300	0.1 kg (2%)	70 %	299

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	20 g	60 min	12.7 %
Boil	Amarillo	10 g	5 min	9.5 %