

162 APA

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **31**
- SRM **3.5**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22.5 liter(s)**
- Trub loss **6 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **90 min**
- Evaporation rate **6 %/h**
- Boil size **29.4 liter(s)**

Mash information

- Mash efficiency **86 %**
- Liquor-to-grist ratio **3.25 liter(s) / kg**
- Mash size **14.9 liter(s)**
- Total mash volume **19.5 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (87%)	80 %	5
Grain	Strzegom Pszeniczny	0.3 kg (6.5%)	81 %	6
Grain	Bestmalz Carmel Pils	0.3 kg (6.5%)	75 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	15 g	60 min	14.2 %
Boil	Centennial	15 g	20 min	10.4 %
Boil	Amarillo	15 g	1 min	9.4 %
Dry Hop	Citra	20 g	5 day(s)	11.1 %
Dry Hop	Amarillo	20 g	5 day(s)	9.4 %

Yeasts

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