

APA

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **44**
- SRM **5**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.6 liter(s)**
- Total mash volume **20.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (76.9%)	80 %	5
Grain	Strzegom Monachijski typ I	1 kg (19.2%)	79 %	16
Grain	Płatki pszeniczne	0.2 kg (3.8%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	20 g	60 min	10.5 %
Boil	Centennial	20 g	30 min	10.5 %
Boil	Centennial	10 g	5 min	10.5 %
Aroma (end of boil)	Cascade	30 g	3 min	6 %
Dry Hop	Cascade	70 g	4 day(s)	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis