

Po prostu APA

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **43**
- SRM **8.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **0 %**
- Size with trub loss **25 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **30.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.3 liter(s)**
- Total mash volume **23 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (87%)	80 %	4
Grain	Strzegom Karmel 150	0.5 kg (8.7%)	75 %	150
Grain	Płatki owsiane	0.25 kg (4.3%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	30 g	60 min	15.5 %
Boil	Amarillo	90 g	0 min	9.5 %
Dry Hop	Citra	90 g	7 day(s)	12 %

Yeasts

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