

Ananas APA

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **57**
- SRM **4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **42 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **50.6 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **26.7 liter(s)**
- Total mash volume **35.6 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	6 kg (67.4%)	81 %	4
Grain	Monachijski	1 kg (11.2%)	80 %	16
Grain	Żytni	0.5 kg (5.6%)	85 %	8
Grain	Pszeniczny	0.5 kg (5.6%)	85 %	4
Grain	Płatki owsiane	0.4 kg (4.5%)	85 %	3
Grain	Rice, Flaked	0.5 kg (5.6%)	70 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Nugget	70 g	60 min	15 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	20 g	Safale