

APA z ekstraktów

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **45**
- SRM **8.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **28.3 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Bruntal	1.7 kg (50%)	81 %	26
Liquid Extract	Bruntal Pale Ale	1.7 kg (50%)	80 %	35

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	18 g	60 min	15.5 %
Aroma (end of boil)	Cascade	45 g	15 min	6 %

Yeasts

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