

## ipa4

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **55**
- SRM **17.5**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **33 liter(s)**
- Trub loss **5 %**
- Size with trub loss **34.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **41.8 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Bruntal	7 kg (94.6%)	85 %	26
Liquid Extract	ekstrakt słodowy ciemny Bruntal	0.4 kg (5.4%)	90 %	621

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	5 g	60 min	17.6 %
Boil	Columbus/Tomahawk/Zeus	5 g	60 min	16.5 %
Boil	Chinook	30 g	30 min	11.8 %
Boil	Mosaic	20 g	30 min	11.5 %
Boil	Cascade	50 g	20 min	5.9 %
Boil	Amarillo	50 g	10 min	7.8 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Slant	500 ml	Fermentis