

## IPA z chmielem

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **53**
- SRM **5.2**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **29.3 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale	4 kg (61.5%)	80 %	5
Grain	Strzegom Monachijski typ II	1 kg (15.4%)	79 %	22
Grain	Pszeniczny	1 kg (15.4%)	85 %	4
Grain	Płatki owsiane	0.5 kg (7.7%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	10 g	60 min	12.8 %
Boil	Centennial	10 g	60 min	10.5 %
Boil	Amarillo	10 g	60 min	8.9 %
Boil	Cascade	10 g	60 min	9 %
Boil	Chinook	10 g	15 min	12.8 %
Boil	Centennial	10 g	15 min	10.5 %
Boil	Amarillo	10 g	15 min	8.9 %
Boil	Cascade	10 g	15 min	9 %

### Yeasts

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

### Extras

Type	Name	Amount	Use for	Time
Finning	mech irlandzki	7 g	Boil	10 min