

## IPA tropic

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- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **45**
- SRM **11.5**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **30 min**
- Evaporation rate **10 %/h**
- Boil size **36.2 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **33 liter(s)**
- Total mash volume **44 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	10 kg (90.9%)	80 %	5
Grain	Strzegom Karmel 150	1 kg (9.1%)	75 %	150

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	50 g	30 min	13 %
Whirlpool	Citra	50 g	5 min	12 %
Whirlpool	Mosaic	50 g	5 min	10 %
Aroma (end of boil)	Sabro	50 g	5 min	15 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM53 Voss kveik	Ale	Liquid	30 ml	Fermentum Mobile

### Extras

Type	Name	Amount	Use for	Time
Flavor	Malina	50 g	Boil	5 min