

## Tropical APA 12

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **14**
- SRM **3.8**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **26.8 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.7 kg (54%)	80 %	5
Grain	Strzegom Pilzneński	1.3 kg (26%)	80 %	4
Grain	Pszeniczny	0.5 kg (10%)	85 %	4
Grain	Płatki owsiane	0.5 kg (10%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	10 g	55 min	13 %
Whirlpool	Eureka!	60 g	---	18 %
Whirlpool	ekuanot	40 g	---	12 %

### Yeasts

Name	Type	Form	Amount	Laboratory
fm 52	Ale	Liquid	100 ml	---