

# Tropical IPA

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- Gravity **13.8 BLG**
- ABV ---
- IBU **53**
- SRM **4.2**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **12.5 liter(s)** of **76C** water or to achieve **27.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (83.3%)	80 %	4
Grain	Briess - Pale Ale Malt	1 kg (16.7%)	80 %	7

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	20 g	60 min	12 %
Boil	Mosaic	20 g	60 min	10 %
Boil	Citra	10 g	15 min	12 %
Boil	Mosaic	10 g	15 min	10 %
Dry Hop	Citra	20 g	7 day(s)	12 %
Dry Hop	Mosaic	20 g	7 day(s)	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
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Flavor	liofilizowane mix banan mandarynka kiwi ananas	60 g	Boil	15 min
Flavor	liofilizowane mix banan mandarynka kiwi ananas	60 g	Secondary	7 day(s)