

Tropical IIPA

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **66**
- SRM **3.9**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.9 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)**

Steps

- Temp **66 C**, Time **40 min**
- Temp **75 C**, Time **10 min**

Mash step by step

- Heat up **22.8 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **40 min** at **66C**
- Keep mash **10 min** at **75C**
- Sparge using **16.6 liter(s)** of **76C** water or to achieve **32.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (76.9%)	80 %	5
Grain	Płatki pszeniczne	1 kg (15.4%)	85 %	3
Grain	Płatki owsiane	0.5 kg (7.7%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	30 g	60 min	15.5 %
Boil	ekuanot	10 g	60 min	13.1 %
Boil	ekuanot	20 g	25 min	13.1 %
Aroma (end of boil)	falconer's flight	30 g	0 min	10.7 %
Aroma (end of boil)	Citra	30 g	0 min	14.2 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Flavor	Mango	1000 g	Boil	10 min

Flavor	Pomelo	500 g	Boil	10 min
Flavor	Pomarańcza	500 g	Boil	10 min
Flavor	grejpfrut	500 g	Boil	10 min