

Tropical Cyclone

- Gravity **17.3 BLG**
- ABV **7.4 %**
- IBU **28**
- SRM **4.5**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Steps

- Temp **64 C**, Time **40 min**

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Sparge using **12.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.5 kg (46.7%)	80 %	4
Grain	Pszeniczny	3 kg (40%)	85 %	4
Grain	Płatki pszeniczne	0.5 kg (6.7%)	85 %	3
Grain	Płatki owsiane	0.5 kg (6.7%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	38 g	40 min	8.8 %
Boil	Citra	20 g	5 min	12 %