

## #042 Format Hops IPA

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **39**
- SRM ---
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **2 %**
- Size with trub loss **21.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **17 %/h**
- Boil size **26.2 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

### Steps

- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **20 min**

### Mash step by step

- Heat up **17.5 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **20 min** at **72C**
- Sparge using **13.7 liter(s)** of **76C** water or to achieve **26.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (100%)	80 %	---

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	8.8 %
Boil	lunga	40 g	10 min	12.9 %
Whirlpool	Lubelski	40 g	0 min	4 %
Hop Stand 80°C				
Dry Hop	Citra	20 g	2 day(s)	13.5 %
Dry Hop	Ekuanot	20 g	2 day(s)	13.1 %
Dry Hop	Simcoe	50 g	2 day(s)	13.2 %
Dry Hop	Pacific Gem	25 g	2 day(s)	15.3 %

### Yeasts

Name	Type	Form	Amount	Laboratory
WLP066 - London Fog	Ale	Slant	100 ml	White Labs