

Hazy IPADAR

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **58**
- SRM **3.9**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **34.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.7 liter(s) / kg**
- Mash size **18.5 liter(s)**
- Total mash volume **23.5 liter(s)**

Steps

- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18.5 liter(s)** of strike water to **68.8C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **21.1 liter(s)** of **76C** water or to achieve **34.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (76.9%)	80 %	5
Adjunct	Briess - Oat Flakes	1.5 kg (23.1%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	50 g	60 min	6 %
Dry Hop	Bravo	35 g	5 day(s)	15.5 %
Dry Hop	Mosaic	40 g	5 day(s)	10 %
Boil	Enigma (AUS)	40 g	10 min	17.2 %
Boil	Ekuanot	40 g	10 min	14 %

Yeasts

Name	Type	Form	Amount	Laboratory
Lallemand - LalBrew Verdant IPA	Ale	Dry	11 g	Lallemand