

nut ipa

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **16**
- SRM **5.8**

Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **33 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **39.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **24 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **23.6 liter(s)** of **76C** water or to achieve **39.6 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	colorado pale ale	8 kg (100%)	79 %	9

Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Southern promise	15 g	10 min	11.1 %
Aroma (end of boil)	Southern promise	15 g	5 min	11.1 %
Aroma (end of boil)	Southern star	15 g	10 min	15.8 %
Aroma (end of boil)	Southern star	15 g	5 min	15.8 %
Dry Hop	Southern promise	20 g	7 day(s)	11.1 %
Dry Hop	Southern star	20 g	7 day(s)	15.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
Fermentis US-05	Ale	Dry	10 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Spice	aframon madagaskarski	20 g	Boil	10 min