

Calisia IPA

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **85**
- SRM **4.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.9 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **21.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **16 liter(s)**
- Total mash volume **21 liter(s)**

Steps

- Temp **66 C**, Time **55 min**
- Temp **75 C**, Time **10 min**

Mash step by step

- Heat up **16 liter(s)** of strike water to **73.2C**
- Add grains
- Keep mash **55 min** at **66C**
- Keep mash **10 min** at **75C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **21.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	pilsen pale ale	5 kg (100%)	80 %	4.5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	30 g	60 min	12.5 %
Boil	Citra	15 g	60 min	12.9 %
Boil	Centennial	15 g	30 min	10.5 %
Boil	Citra	15 g	0 min	12.9 %
Boil	Sabro	10 g	0 min	14.8 %
Dry Hop	Citra	15 g	3 day(s)	12.9 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	11 g	Fermentis