

# Single Hop Mosaic - 25-02-2018

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- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **30**
- SRM **5.5**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

## Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **16.5 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **18 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	5 kg (90.9%)	85 %	7
Grain	Carahell	0.5 kg (9.1%)	77 %	26

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	10 g	60 min	11.8 %
Boil	Mosaic	10 g	30 min	11.8 %
Aroma (end of boil)	Mosaic	20 g	15 min	11.8 %
Aroma (end of boil)	Mosaic	30 g	0 min	11.8 %
Dry Hop	Mosaic	30 g	3 day(s)	11.8 %

## Yeasts

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