

Single hop Mosaic

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **30**
- SRM **4.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 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 **19.4 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Veyermann pale ale	5 kg (90.9%)	80 %	5
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