

# Y.M.C.A.

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **42**
- SRM **3.7**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **79 C**, Time **5 min**

## Mash step by step

- Heat up **13.5 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **79C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (60%)	80 %	5
Grain	Weyermann - Carapils	1 kg (20%)	78 %	4
Grain	Wheat, Flaked	0.5 kg (10%)	77 %	4
Sugar	Milk Sugar (Lactose)	0.5 kg (10%)	76.1 %	0

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	5 g	60 min	12 %
Aroma (end of boil)	Citra	25 g	15 min	12 %
Aroma (end of boil)	Citra	40 g	10 min	12 %
Dry Hop	Citra	45 g	4 day(s)	12 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
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Flavor	pulpa z marakui	500 g	Secondary	4 day(s)
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