

# MANGO

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **44**
- SRM **4.2**
- Style **Fruit Beer**

## 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 **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **15.3 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	Żytni	1 kg (20%)	85 %	8
Grain	Płatki owsiane	1 kg (20%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	10 g	45 min	12 %
Boil	Mosaic	10 g	30 min	10 %
Aroma (end of boil)	Citra	10 g	15 min	12 %
Aroma (end of boil)	Mosaic	10 g	15 min	10 %
Aroma (end of boil)	Citra	10 g	5 min	12 %
Aroma (end of boil)	Mosaic	10 g	5 min	10 %
Whirlpool	Citra	10 g	20 min	12 %
Whirlpool	Mosaic	10 g	20 min	10 %
Dry Hop	Citra	60 g	4 day(s)	12 %
Dry Hop	Mosaic	60 g	4 day(s)	10 %

## Yeasts

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

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

### Extras

Type	Name	Amount	Use for	Time
Flavor	pulpa mango	1700 g	Secondary	5 day(s)
Flavor	Laktoza	500 g	Boil	20 min

### Notes

- MMG  
*Feb 25, 2018, 11:05 AM*