

# Mango IPA V2

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **32**
- SRM **5.3**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **36 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **25.5 liter(s)**
- Total mash volume **34 liter(s)**

## Steps

- Temp **52 C**, Time **10 min**
- Temp **65 C**, Time **20 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **3 min**

## Mash step by step

- Heat up **25.5 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **20 min** at **65C**
- Keep mash **30 min** at **72C**
- Keep mash **3 min** at **78C**
- Sparge using **19 liter(s)** of **76C** water or to achieve **36 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5.5 kg (64.7%)	80 %	5
Grain	Karmelowy Jasny 30EBC	0.5 kg (5.9%)	75 %	30
Grain	Pszeniczny	2 kg (23.5%)	85 %	4
Grain	Płatki owsiane	0.5 kg (5.9%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	50 g	15 min	4 %
Boil	Marynka	50 g	15 min	10 %
Aroma (end of boil)	Lemon drop	50 g	1 min	4.6 %
Whirlpool	Lemon drop	50 g	30 min	4.6 %
Dry Hop	Lemon drop	50 g	2 day(s)	4.6 %
Dry Hop	Lemon drop	50 g	15 day(s)	4.6 %

## Yeasts

Name	Type	Form	Amount	Laboratory
US05	Ale	Dry	11.5 g	---

### Extras

Type	Name	Amount	Use for	Time
Flavor	puree z mango	1000 g	Secondary	10 day(s)

### Notes

- Chmielenie po gotowaniu:  
1 50gr Lemon Drop po wyłączeniu podgrzewania  
2 50gr Lemon Drop hop stand 30 min temp 70 C  
3 50gr Lemon Drop na zimno 2 dzień fermentacji głośnej  
4 50gr Lemon Drop na zimnook tydzień przed rozlewem  
*Apr 16, 2023, 9:35 PM*