

## MANGO IPA 3

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- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **41**
- SRM **4.1**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **24 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.6 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

### Steps

- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **0 min**

### Mash step by step

- Heat up **21 liter(s)** of strike water to **69.1C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **13.6 liter(s)** of **76C** water or to achieve **28.6 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	3 kg (50%)	82 %	4
Grain	Viking Pale Ale malt	2 kg (33.3%)	80 %	5
Grain	Viking Wheat Malt	1 kg (16.7%)	83 %	5

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	30 g	60 min	9.4 %
Boil	lunga	20 g	25 min	9.4 %
Boil	Lublin (Lubelski)	30 g	5 min	4 %
Dry Hop	Mosaic	50 g	4 day(s)	10 %

### 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 Mango	2500 g	Secondary	7 day(s)
Flavor	SKÓRKA SŁODKIEJ POMARAŃCZY	100 g	Secondary	7 day(s)