

Milkshake Mango IPA

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **3**
- SRM **4.2**
- Style **Fruit Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **27 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.9 liter(s)**

Mash information

- Mash efficiency **83 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **67 C**, Time **40 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **15 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **40 min** at **67C**
- Keep mash **15 min** at **72C**
- Keep mash **15 min** at **76C**
- Sparge using **17.9 liter(s)** of **76C** water or to achieve **31.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (71.4%)	80 %	5
Grain	Płatki owsiane	1 kg (14.3%)	85 %	3
Grain	Płatki pszeniczne	1 kg (14.3%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	10 g	10 min	10 %
Whirlpool	Mosaic	20 g	0 min	10 %
Whirlpool	Equinox	30 g	0 min	13.1 %
Dry Hop	Mosaic	30 g	2 day(s)	10 %
Dry Hop	Equinox	30 g	2 day(s)	13.1 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Flavor	Laktoza	660 g	Boil	10 min
Flavor	Puree z mango	1800 g	Secondary	10 day(s)