

Mango marakuja

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **19**
- SRM **4.3**
- Style **American Amber Ale**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **22.4 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **16.8 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **0 min** at **78C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (71.4%)	80 %	5
Grain	Strzegom Pszeniczny	1 kg (17.9%)	81 %	6
Grain	Płatki pszeniczne	0.3 kg (5.4%)	60 %	3
Grain	Płatki owsiane	0.3 kg (5.4%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	10 g	30 min	12.6 %
Aroma (end of boil)	Simcoe	20 g	10 min	12.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Slant	200 ml	---

Extras

Type	Name	Amount	Use for	Time
Flavor	laktoza	500 g	Boil	10 min
Flavor	Puree mango	850 g	Secondary	7 day(s)
Flavor	Puree marakuja	850 g	Secondary	7 day(s)