

Mango Green Tea APA v1

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **36**
- SRM **3.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **10 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

Steps

- Temp **52 C**, Time **15 min**
- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **15 min** at **52C**
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **15 liter(s)** of **76C** water or to achieve **30 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	4 kg (66.7%)	81 %	4
Grain	Płatki owsiane	2 kg (33.3%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	20 g	20 min	11 %
Whirlpool	Citra	50 g	30 min	12.8 %
75oC 30 min				
Dry Hop	Citra	100 g	3 day(s)	12.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	150 ml	Fermentis

Extras

Type	Name	Amount	Use for	Time
Flavor	pulpa z mango	1000 g	Secondary	7 day(s)

Flavor	Zielona herbata	80 g	Secondary	2 day(s)
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