

Tea APA I

- Gravity **11.9 BLG**
- ABV ---
- IBU **52**
- SRM **4.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **40 %/h**
- Boil size **16.8 liter(s)**

Mash information

- Mash efficiency **69.5 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **9.5 liter(s)**
- Total mash volume **12.2 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **9.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **0 min** at **78C**
- Sparge using **10 liter(s)** of **76C** water or to achieve **16.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale	2.5 kg (92.6%)	80 %	6
Grain	Weyermann - Carapils	0.2 kg (7.4%)	75 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	USA Chinook	15 g	60 min	12.8 %
Boil	USA Chinook	20 g	5 min	12.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05 II	Ale	Slant	70 ml	---

Extras

Type	Name	Amount	Use for	Time
Flavor	Herbata czarna	40 g	Secondary	1 day(s)