

APA wytrawna z jałowcem

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **51**
- SRM **6.4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (41.7%)	80 %	5
Grain	Viking Pilsner malt	2.5 kg (41.7%)	82 %	4
Grain	Strzegom Karmel 30	1 kg (16.7%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	25 g	60 min	15.5 %
Boil	tnt- de	15 g	15 min	12.9 %
Boil	tnt- de	10 g	5 min	12.9 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	100 ml	Fermentis

Extras

Type	Name	Amount	Use for	Time
Herb	jałowiec	10 g	Boil	15 min