

Sabro

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **115**
- SRM **4.2**
- Style **American IPA**

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

Steps

- Temp **66 C**, Time **60 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **10.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (83.3%)	80 %	4
Grain	Pszeniczny	1 kg (16.7%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	40 g	60 min	9.7 %
Aroma (end of boil)	Sabro	50 g	20 min	13.8 %
Aroma (end of boil)	talus	50 g	20 min	8.2 %
Aroma (end of boil)	Centennial	10 g	20 min	9.7 %
Aroma (end of boil)	Sabro	50 g	0 min	13.8 %
Aroma (end of boil)	talus	50 g	0 min	8.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Fm 702	Ale	Liquid	30 ml	---