

Polska Apka

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **20**
- SRM **3.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **22 liter(s)**
- Total mash volume **27.5 liter(s)**

Steps

- Temp **66 C**, Time **45 min**
- Temp **72 C**, Time **25 min**

Mash step by step

- Heat up **22 liter(s)** of strike water to **71.8C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **25 min** at **72C**
- Sparge using **9.5 liter(s)** of **76C** water or to achieve **26 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	BESTMALZ - Best Pilsen	5.5 kg (100%)	80.5 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sybilla	30 g	60 min	3.5 %
Aroma (end of boil)	Sybilla	50 g	15 min	3.5 %
Whirlpool	Książęcy	50 g	0 min	7 %
Whirlpool	AMORA PRETA	50 g	0 min	9 %
Dry Hop	AMORA PRETA	25 g	3 day(s)	9 %
Dry Hop	Książęcy	25 g	3 day(s)	7 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	11.5 g	---

Extras

Type	Name	Amount	Use for	Time
Fining	Whirlfloc	2.5 g	Boil	10 min