Bronday Koleżeński

- Gravity 20.5 BLG
- ABV ----
- IBU 120
- SRM **5.4**
- Style Imperial IPA

Batch size

- Expected quantity of finished beer 15 liter(s)
- Trub loss 10 %
- Size with trub loss 16.5 liter(s)
- Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 22.3 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 15 liter(s)
- Total mash volume 20 liter(s)

Steps

- Temp 67 C, Time 55 min
 Temp 78 C, Time 5 min

Mash step by step

- Heat up 15 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 55 min at 67C
- Keep mash 5 min at 78C
- Sparge using 12.3 liter(s) of 76C water or to achieve 22.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pale Ale	5 kg (90.9%)	80 %	4
Liquid Extract	Honey	0.5 kg (9.1%)	75 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	30 g	60 min	15.1 %
Boil	Pacific Gem	50 g	15 min	13.2 %
Boil	Green Bullet	50 g	15 min	12.7 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-05	Ale	Slant	500 ml	Safale

Extras

Туре	Name	Amount	Use for	Time
Other	drewno	100 g	Secondary	