test strony

- Gravity 11.7 BLG
- ABV ----
- IBU 47
- SRM **10.3**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21.4 liter(s)
- Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 26.9 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 15 liter(s)
- Total mash volume 19.3 liter(s)

Steps

- Temp 66 C, Time 50 min
 Temp 72 C, Time 10 min
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up 15 liter(s) of strike water to 72.6C
- Add grains
- Keep mash 50 min at 66C
- Keep mash 10 min at 72C
- Keep mash 0 min at 76C
- Sparge using 16.2 liter(s) of 76C water or to achieve 26.9 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	4 kg (93%)	81 %	4
Grain	Karmelowy Jasny	0.3 kg <i>(7%)</i>	75 %	180

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	10 %
Boil	Galaxy	25 g	15 min	15 %
Boil	Amarillo	25 g	0 min	9.5 %
Dry Hop	Galaxy	25 g	5 day(s)	15 %

Yeasts

Name	Туре	Form	Amount	Laboratory
US-05	Ale	Dry	10 g	